SUBJECT INDEX

ABDOMEN, Subphrenic abscess with vomited gall bladder, 210; puncture of, in diagnosis of acute intraperitoneal disease, 215; Fahræus reaction in acute surgical affections of, 215; roentgenological signs of effusion in, 279; free gas in, 296; urgent surgery of, 297; ruptures of pancreas in injuries of, 394; contraindications to surgery in acute affections of, 395; subphrenic abscess, 397; subphrenic infection after appendicitis, 475

Abdominal puncture in diagnosis of acute intraperitoneal disease, 215

Abortion, Giving students practical instruction in management of, 316

Abscess, Subphrenic, with vomited gall bladder, 210; subphrenic, 397; subphrenic infection after appendicitis, 475. *See also* names of organs

Accommodation, Mechanism of, 2

Acetabulum, Lesions of, in osteochondritis of hip, 47

Age and primiparity, 486

Albromin as substitute for novocain for local anæsthesia in intracranial operations, 192

Ammonium chloride as urinary acidifier, 323

Anæmia, Gaucher's disease with bone and joint involvement, 23; splenic, of young children treated by splenectomy, 115; intestinal origin of pernicious, 335

Anæsthesia, Cystic, purulent cerebrospinal meningitis following lumbar, induced with novocain, 56; demonstration of spinal, 56; intra-orbital, 90; epidural, for perineal prostatectomy, 131; recent developments in technique of regional, 142; diagnosis and treatment of paranasal sinus infections in infants and young children under ethylene, 185; local, in intracranial operations, 192; changes in blood pressure under influence of operations, 499; effect of operation and, on calcium content of blood, 501; change in catalase index of blood under influence of surgical operations, 501; changes in viscosity of blood under influence of, and operation, 501; changes in number of the erythrocytes and blood platelets during postoperative period, 502; balanced, 505; pulmonary complications following ether and ethylene-ether, 506

Aneurism, Cerebral, causing ocular symptoms, 9; of abdominal aorta with gastric symptoms treated by introduction of silver-plated wire into sac of, 415; cure of gigantic traumatic arteriovenous, of abdominal aorta and inferior vena cava by Moore-Corradi method, 499

Angina pectoris, Effect of paravertebral injections in, 195; sympathectomy in, 458

Angioscotometry, 447

Antrum of Highmore, *See* Maxillary sinus

Anuria for seven days after catheterization of ureters, 128

Anus, Empalement wounds of, 111; imperforate, corrected by operation, 111; simple, bloodless operation for prolapse of, in children, 475

Aorta, Circulatory disturbances in embolism of, below origin of inferior mesenteric artery, 334; aneurism of abdominal, with gastric symptoms treated by introduction of silver-plated wire into sac of aneurism, 415; cure of gigantic traumatic arteriovenous aneurism of abdominal, and inferior vena cava by Moore-Corradi method, 499

Appendicitis, In pregnancy, 108; study of acute, based on material of Municipal Military Hospital of Moscow, 108; nature of chronic, 108; pylephlebitis and liver abscess following, 109; chronic, according to statistics of Municipal Military Hospital of Moscow, 109; recurrent, following appendiceal abscesses, 208; cholecystitis and, 211; urgent surgery of abdomen, 297; during pregnancy and puerperium, 311; surgical treatment of acute, 474; subphrenic infection after, 475

Appendix, Recurrent appendicitis following abscesses of, 208

Arc light, Value of concentrated, in roentgen and radium lesions of skin, 338

Arm, Treatment of deformities of upper extremity, 48; pain in, following operation for rupture of pancreas and spleen, 213

Arteries, Changes in, in progressive hydronephrosis of rabbits with complete ureteral obstruction, 36; effect of ligature of one branch of renal artery on rate of development of hydronephrosis, 224; effect on rate of development of hydronephrosis of simultaneous ligation of posterior branch of renal artery and ureter on same-side, 224; significance of collateral pulse in diagnosis of injuries of large, of extremities, 334; simple and combined ligatures of pulmonary vessels, 464

Arteriotomy for embolus obstructing circulation in extremity, 53

Arthritis, Non-infective, in women, 134. *See also* Joints and names of joints

Atlas, Anterior dislocation of, as cause of inability to swallow solid foods, 187

BACKACHE, Systematic diagnosis in, 46

Bacteria, Effect of cathode rays on, *in vitro* and in fresh wounds, 337; virulence test in gynecology and obstetrics, 401

Basedow's disease, *See* Goiter

Bile, Significance of, pigment, 111; production of duodenal ulcer by exclusion of, from intestine, 208

Bile duct, Dilatation of common, in absence of functioning gall bladder, 114; exposure of common, in operation for recurrence of stone after cholecystectomy, 212; fatal biliary peritonitis after puncture of common, 212; hydatid cyst of, opening into bile passages and causing formation of choledochocutaneous biliary fistula, 294; treatment of idiopathic cyst of common, 295; healing processes in defects of, and in artifically produced bile passages, 296

Bile ducts, Unusual visualization of, by roentgenograms of barium meal, 23; hydatid cyst of liver opening into bile passages and causing formation of choledochocutaneous biliary fistula, 294; healing processes in artificially produced, 296

Biliary tract, Giardiasis of, 114; evolution of early to late disease of, 210; diagnosis and treatment of disease of, 210; diagnosis and treatment of infections of, 390; relation of infections of, to genesis and excretion of urobilin, 391; phases of surgery of, 392; late result of fistula from, with implantation of fistulous tract into stomach, 394; recurrent pain and discomfort after operations on bile passages with particular regard to anastomosis between, and duodenum, 478. *See also* Bile ducts, Gall bladder, Liver, and biliary conditions and operations

Bilirubin, Two forms of, demonstrated by van den Bergh reaction, 391

Biopsy, Value of, 481
Bladder, Cystogram study of prolapsus of, 25; stages in formation of diverticulum of, 39; rupture of, during cystoradiography, 129; unusual obstruction of, 130; absence of shadow in roentgenography for vesical calculi, 130; tumors of, 323; contracture of neck of, 411; perforation of, in extra-uterine pregnancy, 489, 490; leucoplakia of, 494. *See also* Urinary tract
Blood, Diagnostic criteria of chronic parathyroid insufficiency with special reference to phosphate content of, 7; effect of periarterial sympathectomy on circulation of, 13; interagglutination of maternal and fetal, in late toxæmias of pregnancy, 31; preservation of, for transfusion, 53; action of roentgen rays on regeneration of, 53; relation of cholesterinæmia and calcæmia in thyroid conditions to basal metabolism, 95; changes in, caused by splenectomy, 117; pulmonary complications in gastric surgery treated by autohæmotherapy, 205; stability of suspension of, in acute surgical affections of abdomen, 215; calcium-ion concentration of, in puerperal eclampsia, 220; bacteria in, after operations, 233; increase in quantity of, during pregnancy, 310; circulatory disturbances in embolism of aorta below origin of inferior mesenteric artery, 334; treatment of inoperable carcinoma with, serum of young persons, 339; reactions of maternofetal, 404; influence of chemical light baths on bactericidal processes in, 419; hydræmia in certain postoperative syndromes, 419; effects of partial tracheal obstruction on circulation of, in morphinized dogs, 463; relation of change in, following splenectomy to function of spleen in forming, 479; part played by coagulability of, in development of postoperative phlebitis, 499; effect of operation upon changes in coagulability of, 501; change in catalase index of, under influence of surgical operations, 501; changes in viscosity of, under influence of anæsthesia and operation, 501; effect of operation and narcosis on calcium content of, 501; changes in number of erythrocytes and blood platelets during postoperative period, 502; changes in number of leucocytes and leucocyte formula during postoperative period, 502. *See also* Erythrocytes, Leucocytes, Hydræmia, Septicæmia
Blood pressure, Changes in, due to operation, 499
Blood transfusion, 416; preservation of blood for, 53; simplified technique for, by Kimpton-Brown method, 502; causes of reaction following, 503
Blood vessels, Proliferations of, in uterine musculature, 298; value of phenolsulphonephthalein test in renal and circulatory diseases, 325; excretion of phenolsulphonephthalein in circulatory diseases, 325; experimental and clinical investigations of functional condition of heart and, following extirpation of cervicothoracic sympathetic chain, 376; angioscotometry, 447; sympathectomy in vascular diseases of extremities, 460; innervation of, of the lower extremity, 499; treatment of peripheral vascular disturbances of extremities, 500. *See also* Arteries, Veins
Bone, Gaucher's disease with disintegration of, 23; indications for pedicled graft of, and its advantages, 50; thyroid metastasis to, 95; metastases of cancer of breast in, 101; criteria for establishing diagnosis of osteogenic sarcoma, 133; Paget's disease of, 327; behavior of, after boring, transfixing with nails, and wire extension, 331; lesion of, intermediate between myeloplaxomata and cysts of, 496; repair of cavities in, in children, 497. *See also* Fractures and names of bones, bone diseases and bone operations
Brain, Cerebral aneurism causing ocular symptoms, 9; pontine glioma, 98; cure of fat embolism of, following fracture of leg and simulating progressive paralysis, 191; use of Meyer-Schlueter sound in tumors of, 191; treatment of traumatic frontal abscesses of, 191; local anæsthesia in intracranial operations, 192; differential diagnosis of tumor of, 192; what may be expected from surgery in tumor of, 192; effect of pressure on, on fetal heart sounds during labor, 221; diagnostic importance of cisternal puncture and simultaneous cisternal and lumbar puncture in subarachnoid block, 270; value and safety of simplified method of pneumoencephalography, 271. *See also* names of parts of brain and brain conditions
Breast, Clinical and pathologico-anatomical diagnosis of tumors and cystic changes in, 14; cysts of, 14; clinical significance of pain in cancer of, with special reference to bone metastases, 101; X-rays and radium in management of carcinoma of, 101; cancer of female, and radiation therapy, 275; proper co-ordination between surgery, radium, and X-ray therapy in cancer of, 275; what every doctor should know about, 275; treatment of cancer of, from viewpoint of radiologist, 275; bacterial flora of cancer of, 378; relative value of various techniques in radiation treatment of carcinoma of, 378; symposium of surgery of, 378; X-ray and metastasis in cancer of, 462
Broad ligament, Accidental section of ureter in hysterectomy for large fibroid in right, 27; tumor of, 306
Bronchi, Visualization of hepatobronchial fistulæ by retrograde filling with iodized oil, 15; roentgenological exploration of, with iodized oil, 101; investigations of effections of, by means of jodumbrin and lipiodol, 102; foreign bodies in tracheobronchial tree, 197; radiographic exploration of bronchopulmonary system by means of lipiodol, 197; care of bronchial stump following amputation of lung, 198; lipiodol in diagnosis of bronchopulmonary lesions by bronchoscopic method, 277; X-ray diagnosis and localization of non-opaque foreign bodies in air passages, 380; use of injected iodized oil in roentgen-ray diagnosis of bronchopulmonary conditions, 462. *See also* Lung
Bronchiectasis, Phrenic evulsion as aid in treatment of, 11; value of contrast media for demonstration of, 15
Bronchoscopy, In thoracic surgery, 197; for disease, 381; in treatment of lung abscess, 382
Brow presentations, Mechanism of labor in, 314
Bubonic plague, Treatment of, with bacteriophage, 55
Burns, Hypertonic sodium-chloride solution intravenously in treatment of extensive superficial, 141; treatment of deep roentgen-ray, by excision and tissue shifting, 233; prevention of toxæmia of, by tannic acid solution, 233

CÆCUM, Tuberculosis of, 107; insufficiency of ileocæcal valve, 107; phlegmon of, cured by resection, 289. *See also* Colon, Gastro-intestinal tract, Intestines
Cæsarean section, Rôle of, in treatment of eclampsia, 31; spontaneous rupture during pregnancy following, 121; technique of transperitoneal, 221; types and technique of, 315; in twin pregnancy, 407; obstetrical history of patient who had seven pregnancies after, 486; ileus following, 491
Calcæmia, Relation of, in thyroid conditions to basal metabolism, 95
Calcaneum, Diagnosis and treatment of fractures of os calcis, 52
Calcium, Metabolism, in pregnancy, 309; effect of operation and narcosis on, in blood, 501
Calvé-Legg-Perthes' disease, *See* Osteochondritis deformans juvenilis

Cancer, Electrothermic methods in treatment of neoplastic and allied diseases, 57; precancerous states, 145; of skin, 145, 234; in Massachusetts, 146; contact of surgeon with problem of, 147; carcinoma with hæmaturia showing consequences of pyelography, 224; treatment of, with lead, 234, 339; inheritance behavior of cancer as simple mendelian recessive, 234; nature and inheritability of spontaneous cancer in mice, 234; mechanism of metastasis of, 234; lethal effect of ultraviolet light on normal and malignant tissues grown *in vitro*, 338; treatment of inoperable carcinoma with blood serum of young persons, 339; misconceptions regarding relation of heredity to, 421; prevention, diagnosis, and treatment of, in earliest stages, 421; modern tendencies in treatment of, 421; pathological diagnosis of, 421; repeated inoculations of animals with organisms of, 421; statistics on, before, during, and after war, 484; practical considerations in application of deep roentgen therapy to treatment of malignant disease, 507; immunity in relation to transplantable malignant tumors, 509; malignant epithelial neoplasms, carcinoma, and epithelioma occurring in persons under 26 years of age, 510; earlier recognition of, 510. *See also* names of organs
Carbuncle, Treatment of, in man, 55
Carcinoma, *See* Cancer and names of organs
Cardiospasm treated by digital divulsion, 469
Catalase index, Change in, of blood under influence of surgical operations, 501
Cataract, Phaco-anaphylactic endophthalmitis, 89; lid traction the greatest safeguard against vitreous loss in operation for, 182; Thomson's capsular, 259; operation for immature, when intracapsular extraction seems inadvisable, 259; new technique for expression of cataractous lens in its capsule, 260; late results of intracapsular extraction of, 260
Catheterization, Anuria for seven days after, of ureters, 128; of ejaculatory ducts, 226
Cathode rays, Effect of, on bacteria *in vitro* and in fresh wounds, 337
Cauda equina, Unusual lesion of, 193
Cavernous sinus, Thrombosis of, with suppuration in ethmoidal and sphenoidal sinuses, 447
Cerebellum, Otic abscess of, 372
Cerumen, Investigations regarding function of aural, 90
Cervicitis from standpoint of pathology, 298
Cervix uteri, *See* Uterus
Cheek, Noma with perforation of, after mercury injections, 448
Chest, Diagnosis and treatment of metastatic tumors in, 200
Chlorides, Relation of, of body to disease of gastro-intestinal tract, 385
Chloroma, Recent literature and case report of, 59
Choanæ, Congenital occlusion of, 185
Choked disk, *See* Papillœdema
Cholecystectomy, 477; complete cholecystostomy versus, in empyema of gall bladder, 113; following perforation of cancer of gall bladder into peritoneal cavity, 212; exposure of common duct in operation for recurrence of stone after, 212; aids to, 393
Cholecystitis, And diabetes, 113; development of carcinoma in calculous, 113; clinical study of, with aid of cholecystography, 210; and appendicitis, 211; spontaneous perforation in, without stones, 212; pathology and diagnosis of, 294; treatment of, and prevention of gall stones, 295; acute, following resection of stomach, 295; types of mild, termed "strawberry gall bladder," 391; with associated problems, 392; clinical and pathological study of, 476; pancreatitis with, 478
Cholecystography, 22, 390; by oral method, 22; simultaneous, and test of hepatic and renal functions by sodium phenoltetra-iodophthalein, 22; X-ray diagnosis of diseases of gall bladder, 111; gall-bladder diagnosis from standpoint of surgeon, 210; practical value of Graham-Cole method in diagnosis of gall-bladder disease as compared with older method, 210; study of cholecystitis by, 210; in operative cases, 390
Cholecystostomy, Complete, versus cholecystectomy in empyema of gall bladder, 113; following perforation of cancer of gall bladder into peritoneal cavity, 212
Choledochus, *See* Bile duct
Cholelithiasis, *See* Gall stones
Cholesterinæmia in thyroid conditions, 95
Choline, Treatment of ileus with, 207
Chondrodysplasia, 133
Chorea, Etiology of, gravidarum, 402
Chorioretinitis, Globular masses on pupillary margin in acute circumscribed, 260
Choroid, Metastatic carcinoma of, 447
Cinnamic benzyl ether, Treatment of tuberculous lymphadenitis with, 139
Cisternal puncture, Diagnostic importance of, in subarachnoid block, 270
Clavicle, Fixation of fractures of, 230
Cleft palate, Closure of congenital clefts of hard palate, 368
Club-hand, Congenital and paralytic, 328
Club-foot, *See* Talipes
Colds, Normal bacterial flora of nose and throat with variations during, 4
Colitis, Association of ileal stasis with, 473; etiology and treatment of chronic ulcerative, 474; roentgenological findings in ulcerative, 474
Collapse, Relation of, to sympathetic nervous system, 457
Colon, Surgery of gastrocolic fistula following gastro-enterostomy, 18; surgical treatment of diverticulitis of, 20; polyposis of, with engrafted malignancy, 20; carcinoma of right segment of, 20; gangrene of transverse, 21; radical operation for postoperative peptic ulcer of jejunum with resection of, 208; surgery of cancer of large intestine, 290; relation of simple tumors of large intestine to cancer, 390; pathogenic, 390. *See also* Gastro-intestinal tract, Intestines, parts of colon
Colporrhaphy, Formation of double vagina by transverse, for sterilization of female, 307
Connective tissue, Experimental production of annular ligaments as example of influence of function upon differentiation of, 45
Convalescence, Medical aspects of surgical, 418
Cornea, Dendritic degeneration of, 89; influence of protein therapy on staphylococcal infection of rabbit's, 363
Corpus luteum, Rupture of, cyst simulating rupture of ectopic pregnancy, 27; intraperitoneal hæmorrhage from rupture of, cyst of ovary, 27; necrosis of, of pregnancy, 30; histological changes in thyroid in animals injected with extract of, 449
Coxa plana, *See* Osteochondritis deformans juvenilis
Coxalgia, Tuberculous, cured by bone grafting with patient remaining in bed only twenty-five days, 50
Cranium, *See* Skull
Crucial ligaments, Operative treatment of knee-joint instability following injury of, 330
Cystic duct, *See* Bile duct
Cystitis, Granular, nodular and cystic, 130; changes of urine reaction a vital factor in treatment of primary acute bacterial, 323
Cystocele, Cystogram study of, 25
Cystography, Study of cystocele and prolapsus, 25; rupture of bladder during cystoradiography, 129; absence of shadow in roentgenography for vesical calculi, 130

Cystotomy, Suprapubic, 324
Cysts, *See* names of organs

DANGLE foot, Surgical treatment of, 138
Deaf-mutism, Pathology of, 261
Deafness, Clinical and experimental study with physical agents in partial, 185. *See also* Hearing
Decompression, Influence of, on experimentally produced papillœdema, 191
Diabetes, Treatment of surgical complications of, 59; cholecystitis and, 113; surgery in, 141; insulin in treatment of diabetic gangrene, 508
Diaphragm, Congenital hernia of, 23
Diathermy, Clinical and experimental study with physical agents in partial deafness, 185; for tumors of bladder, 323; surgical, in laryngology, 371; thermotherapy in treatment of pelvic inflammation, 399
Diet in treatment of pre-eclampsia, 123
Diuresis, Effect of iodothyreoglobulin on, in pregnancy, 121
Duodenojejunostomy in complete congenital obstruction of duodenum, 208
Duodenum, Rational surgical treatment of ulcer of, 104; histological and bacteriological examination of perforated ulcer of, 106; supramesocolic stenosis of, due to adhesive periduodenitis of ulcer origin, 106; study of external pancreatic insufficiency as indicated by enzymes in duodenal juice removed with sound, 114; pathogenesis of ulcer of, 173; condition of vagus nerve in ulcer of, 203; perforation of ulcers of, 204; parenteral injection of albumin in ulcer of, 204; resection-implantation of, into pancreas in carcinoma of stomach, 205; acquired periduodenitis, 207; complete congenital obstruction of, treated by duodenojejunostomy at nine days, 208; experimental production of ulcer of, by exclusion of bile from intestine, 208; pathogenesis of peptic ulcer of, 281; gastric and duodenal ulcer associated with chronic duodenal ileus treated by partial gastrectomy, 282; ulcer of, associated with chronic duodenal ileus, 282; ileus with perforating ulcer of, 283; recurrences following extensive resection of, for ulcer, 285; urgent surgery of, 297; etiology and healing process of ulcer of, in melæna neonatorum, 318; X-ray visualization of, by introduction of opaque fluid through Einhorn tube, 389; anatomical study of arteriomesenteric occlusion of, 389; frequency, number, size, shape, location, color, sex, and age in cases of ulcer of, at Bellevue Hospital, New York, 470; management of ulcer of, 470; surgical treatment of ulcers of, with particular regard to operative anatomy and postoperative digestion physiology, 471; surgical treatment of acute hæmorrhage from ulcer of, 471; approach to, through left thoracic cavity in retroperitoneal perforation of, 473; cholecystoduodenostomy, 477; anastomosis between biliary tract and, for recurrent pain and discomfort after operations on bile passages, 478. *See also* Gastro-intestinal tract, Intestine
Dupuytren's contraction of palmar and plantar aponeuroses, 228
Dysphagia, Exostoses of cervical vertebræ as cause of difficulty in swallowing, 187; anterior dislocation of atlas as cause of inability to swallow solid foods, 187

EAR, Investigations regarding function of aural cerumen, 90; hæmorrhagic types of disease of, occurring during epidemics of influenza, 364; definite mastoiditis in which middle, was not affected, 365. *See also* ear conditions and operations, Deafness, Hearing
Eclampsia, Differential diagnosis between, and true uræmia, 30; rôle of cæsarean section in treatment of, 31; interagglutination of maternal and fetal blood in late toxæmias of pregnancy, 31; basal metabolism in toxæmias of pregnancy, 31; diet in treatment of pre-eclampsia, 123; during labor, 124; calcium-ion concentration of blood in puerperal, 220; laboratory aids in diagnosis and control of, 310; liver function test with tetrachlorphenolphthalein in toxicoses of pregnancy, 310; classification of toxæmias of latter half of pregnancy, 404; glucose and insulin in toxæmias of pregnancy, 404; maternofetal blood reactions, 404; treatment of, 405; ten years' experience with, 405; magnesium sulphate intravenously in care and treatment of, 487; immediate and late results in, at Chicago Lying-In Hospital, 487; improved prophylactic method of treating, 487; toxæmia of pregnancy with convulsions at New York Lying-In Hospital, 487; toxæmias of pregnancy, 487
Ejaculatory ducts, Catheterization of, 226
Elbow, Operative reduction of old traumatic dislocations of, 51; end-results in fractures about, 138; arthroplasty of, 329; total external luxation of, 498
Electrocoagulation, Electrothermic methods in treatment of neoplastic and allied diseases, 57; modern tendencies in treatment of cancer, 421; conservative treatment of cervical erosions with, 480
Electrothermy in neoplastic and allied diseases, 57
Embolectomy, Prognosis and technique of, 415
Embolism, Arteriotomy for, in an extremity, 53; cured case of fat, of brain following fracture of leg and simulating progressive paralysis, 191
Emphysema, Relation of pleura to blebs and bullæ of, 198
Empyema, Associated organisms causing, 16; in children, 103, 465; results of operative treatment of acute, at Wladimir Children's Hospital, 465; results of treatment of acute, in Morosov Children's Hospital, 466
Encephalitis, Bilateral extirpation of upper sympathetic ganglia and periarterial sympathectomy on carotids in chronic and epidemic, with parkinsonian syndrome, 459
Encephalography, Value and safety of simplified method of, 271
Endocervicitis, Gonococcal, 26; from standpoint of pathology, 298
Endocrine glands, Changes in internal secretion after extirpation of uterus and operative and roentgen castration and in normal climacterium, 147
Endometrioma, 308; experimental production of, 398
Enteritis, Phlegmonous, a cæcal phlegmon cured by resection, 289
Epilepsy, Late results of treatment of traumatic jacksonian, 270; surgical treatment of traumatic, 455
Erythrocytes, Stability of blood suspension in acute surgical affections of abdomen, 215; clinical value of sedimentation reaction of, in surgery, 232; changes in number of, during postoperative period, 502
Erythromelalgia, Sympathectomy in, 460
Ether, Pulmonary complications following anæsthesia induced with, 506
Ethmoid, Unusual finding in, 263; ethmofrontal mucocele with invasion of orbit, 367; suppuration in, 447
Ethylene, Diagnosis and treatment of paranasal sinus infections in infants and young children under anæsthesia induced with, 185
Exostosis bursata, 228
Eye, Mechanism of accommodation, 2; cerebral aneurism causing ocular symptoms, 9; examination and management of recent mechanical injuries to, 87; result of treatment by artificial light on phlyctenular and other tuberculous lesions of, 89; intra-orbital anæsthesia, 90; limitations of slit-lamp microscopy of living, and pos-

sibility of overcoming them, 90; metastatic intra-ocular mycosis, 181; tuberculosis of, 181; relation of aperture of, to ocular function, 259; metastatic carcinoma of choroid, 447; plastic operations on face in region of, 504. *See also* parts of eye and eye conditions and operations
Eyelid, Traction on, greatest safeguard against vitreous loss in cataract operation, 182

FACE, Plastic operations on, in region of eye, 504
Face presentation, Rupture of uterus in case of, 406
Facial paralysis, Results of hypoglossofacial anastomosis for, 455
Fahræus reaction in acute surgical affections of abdomen, 215
Fallopian tubes, Sudden torsion of dermoid cyst of ovary involving, during pregnancy, 122; cholelithiasis and chronic salpingo-oöphoritis with adherent abdominal scars, 211; simultaneous rupture of both, 218; ovarian pregnancy following operation for tubal pregnancy on same side, 220; primary carcinoma of, 304; sterility due to closure of, treated by salpingostomy, 304; treatment of pelvic infections, 307; pelvic inflammation in women, 399
Fascia, Suture of, in hernia repair, 104; experimental results in use of grafts of dead, for hernia repair, 201
Femur, Fractures of head of, 230; mechanical employment of sequestrum fracture of, 230; relationship of capsule of hip joint to fracture of neck of, 333; prognosis and treatment of fractures of, 333
Fertility, Non-specific antigenic effect of spermatozoa upon, 120
Fetus, Effect of brain pressure on heart sounds of, during labor, 221; participation of, in elevation of basal metabolism during pregnancy, 486
Fibula, Treatment of imperfectly consolidated bimalleolar fractures, 498
Finger, Trigger, and stenosing tendovaginitis of flexor tendons of, 45; injuries of, 49; tendon transplantations for division of extensor tendon of, 136
Flank, Pyelography in diagnosis of tumors of, 397
Flat-foot, Treatment of, by freezing of peroneal nerve, 329
Foot, Dupuytren's contracture of plantar aponeuroses, 228; treatment of peripheral vascular disturbances of extremities, 500
Forceps, Value of Kielland, in obstetrics, 123
Forearm, Skin plastics in traumatic lesions of, 136; treatment of fractures of, 331
Fractures, Leverage and levers in reduction of, 138; spontaneous, following bone banding for, 230. *See also* names of bones
Froin syndrome in diversified spinal lesions, 271
Frontal sinus, Observations on, 186; ethmofrontal mucocele with extensive invasion of orbit, 367
Fusion and some of its anomalies, 181

GALL BLADDER, X-ray diagnosis of diseases of, 111; development of carcinoma in calculous cholecystitis, 113; complete cholecystostomy versus cholecystectomy in empyema of, 113; dilatation of common bile duct in absence of functioning, 114; subphrenic abscess with vomited, 210; evolution of early to late gall-tract disease, 210; diagnosis and treatment of gall-tract disease, 210; diagnosis of diseases of, from standpoint of surgeon, 210; diagnosis and treatment of early to late gall-tract disease, 210; practical value of Graham-Cole method in diagnosis of diseases of, as compared with older method, 210; perforation of cancer of, into peritoneal cavity treated by cholecystostomy and secondary cholecystectomy, 212; types of mild cholecystitis termed "strawberry," 391; medical aspects of disease of, 392; certain experiences with surgery of, 393; filling and emptying of, 476; cholecystoduodenostomy, 477
Gall stones, Cholelithiasis with chronic salpingo-oöphoritis and adherent abdominal scars, 211; exposure of common duct in operation for recurrence of, after cholecystectomy, 212; prevention of, 295; clinical and pathological study of cholecystitis and cholelithiasis, 476
Gamma rays, Biological effects of, 143
Ganglia, What is known regarding, 44
Gangrene, Value of insulin in treatment of diabetic, 508
Gasserian ganglion, Partial neurectomy of sensory root of, in trifacial neuralgia with preservation of corneal sensation, 9; tumor of, 271; isolated palsy associated with irritation of, 375
Gastrectomy, Indications, prophylaxis, and technique of partial, 19; effects of subtotal, on secretion, 19; method of partial, with telescopic anastomosis, 19; indications and technique of, 105; gastric ulcer associated with chronic duodenal ileus treated by partial, 282
Gastritis, Diffuse acute phlegmonous streptococcus, diagnosed during life and cured with hourglass stomach, 202; additional roentgen-ray signs of chronic, 280
Gastro-enterostomy, Surgery of gastrocolic fistula following, 18; duodenal tube in postoperative treatment of, 20; peptic ulcer of jejunum after, 289; relations between infectious state of gastric wall and certain troubles following, 387
Gastro-intestinal tract, Roentgen manifestations of infection of, 105; relation of chlorides of body to disease of, 385; diverticula of, 468
Gaucher's disease with bone and joint involvement, 23
Gentian violet, Intravenous administration of, in sepsis, 420
Glands of internal secretion, *See* Endocrine glands
Glaucoma, Operations for, 87; improved technique for iridectomy for, 181
Glossopharyngeal neuralgia, Surgical relief of, 10
Glucose in toxæmias of pregnancy, 404
Glycerine, Treatment of puerperal infection by intra-uterine injections of, 33
Goiter, Substernal thyroid, 6; clinical aspects of simple, 6; cause of simple, 6; prognosis in, 6; influence of exophthalmic, on gastric secretion, 6; effect of two preparations of iodine on pre-operative basal metabolic rate in exophthalmic, 7; total thyroidectomy in thyrotoxicosis of exophthalmic type, 7; existence of so-called "benign metastasizing," 95; clinical aspects and histology of struma and their relationship to one another on basis of struma material in Goettingen, 188; conjugal and luetic Basedow's disease, 189; anterior mediastinotomy for struma intrathorax, 189; exophthalmic, and tuberculosis, 189; diagnosis and medical treatment of, 266; radiation in, 266; surgical treatment of, 266, 369; iodized salt in prevention of, 267; indications for surgical treatment of, 267; exophthalmic, 267; follow-up of cases of exophthalmic, treated with roentgen ray, 267; X-ray treatment of Graves' disease, 268; surgical treatment of Graves' disease, 268; treatment of Graves' disease by ligation, 268; surgical treatment of exophthalmic, 268; general management of exophthalmic, 268; thyroid gland in relation to toxic, 368; follow-up of patients operated upon for Basedow's disease, 369; genesis of intralaryngotracheal struma, 449; exophthalmic, in children, 450; elimination of iodine in urine in, 450; system of control and treatment in toxic, 451; value of iodine in surgical treatment of exophthalmic, 451;

necessity for postoperative examinations in toxic, 452. *See also* Thyroid
Gonoccocus, New medium for culture of, 60
Gonorrhœa, Gonococcal endocervicitis, 26; Horteloup's resection of perineum for complicated strictures in, 227; treatment of pelvic infections, 307; pelvic inflammation in women, 399; use of milk injections in pelvic inflammation, 399; thermotherapy in treatment of pelvic inflammation, 399; use of heat and cold in urethra, 412
Graafian follicle, Fate of, in human ovary, 27
Graves' disease, *See* Goiter
Gynecology, Virulence test in, 401

HÆMATURIA, Carcinoma with, 224; diagnosis and treatment of, 414
Hæmophilia, Roentgen-ray examination of joints of hæmophiliacs, 43; in course of lithiasic icterus, 139
Hand, Injuries of, 40; skin plastics in traumatic lesions of, 136; Dupuytren's contracture of palmar aponeuroses, 228; disinfection of, 418; congenital contracture of palm, 496; treatment of peripheral vascular disturbances of extremities, 500
Hearing, End-results of radical mastoid operation with reference to, 4; new method for testing, 91; influence of partial and complete occlusion of external auditory canals on air and bone transmitted sound, 261; new methods and apparatus for testing, 262. *See also* Deafness
Heart, Importance of thyroid in relation to certain varieties of disease of, 95; histopathological changes in muscle of, following sympathectomy, 100; occurrence of brain pressure and its effect upon sounds of fetal, during labor, 221; testing of function of, in surgery, 336; experimental and clinical investigations of functional condition of, and blood vessels following extirpation of cervicothoracic sympathetic chain, 376
Heliotherapy in tuberculosis and a new instrument for its use, 57
Hepatic duct, *See* Bile duct
Hernia, Congenital diaphragmatic, 23; muscle and fascia suture with relation to repair of, 104; experimental results in use of dead fascia grafts for repair of, 201; intersigmoid, 473
Hiccough, Persistent, treated successfully by injections of novocain into phrenic nerve, 215
Hip, Acetabular lesions in osteochondritis of, 47; operative reduction of old traumatic dislocations of, 51; simple method for correction of deformity in bony ankylosis of, 229; importance and treatment of flexion contracture of, after poliomyelitis, 330; treatment of old congenital dislocation of, with reference to use of skeletal traction before reduction by operation, 332; palliative treatment of old dislocations of, 332; relationship of capsule of, to fracture of neck of femur, 333
Hodgkin's disease, Malignant lymphogranulomatosis, 54; age, sex incidence, and duration of lymphoblastoma, 417; in man and animals, 139; radiotherapy for lymphoblastoma, 417, 509. *See also* Lymphoblastoma
Humerus, Resection of lower end of, for gunshot wound, 136
Hydræmia in certain postoperative syndromes, 419
Hydronephrosis, Arterial changes in progressive, of rabbits with complete ureteral obstruction, 36; pathogenesis and treatment of slight idiopathic, 126; resulting from obliteration of ureter in gynecological practice, 129; effect of ligature of one branch of renal artery on rate of development of, 224; effect on development of, of simultaneous ligation of posterior branch of renal artery and ureter on same side, 224; reactions following relief of, 319; spontaneous rupture of, 493
Hyoid, Anatomical, clinical, and roentgenological study of normal and abnormal, in man, 95
Hyomandibular region, Inclusion cysts of, 187
Hyperemesis of pregnancy, Pathological and chemical changes in, 123
Hypernephroma, Cases of, 126
Hyperthyroidism in children, 6; medical treatment of, 189
Hypophysis, Surgical management of pituitary lesions, 0"; glandular treatment of pituitary tumors and hyperplasias, 98; results in X-ray treatment of early lesions of, 98; efficacy of substance of posterior lobe of human, 372; surgical treatment of tumors of, 373
Hysterectomy, Accidental section of ureter during, for large fibroid in right broad ligament, 27; obliteration of ureter in gynecological practice and resulting hydronephrosis, 129; accidental section of ureter in, for cancer, 225; incidence of carcinoma in cervix following supravaginal, 300; for rupture of uterus in case of face presentation, 406; removal of cervix in, for benign lesions, 483
Hysteroscope, Description of, 118

ICTERUS, *See* Jaundice
Ileocæcal valve, Insufficiency of, 107
Ileosigmoidostomy, Physiopathology of, 110
Ileum, Clinical significance of stasis in, and its association with colitis, 473
Ileus, Hypertonic saline solution in adynamic, 19; treatment of, with choline, 207; duodenal ulcer associated with chronic duodenal, 282; gastric ulcer associated with chronic duodenal, treated by partial gastrectomy, 282; gastric and duodenal ulcer associated with chronic duodenal, 282; duodenal, with perforating duodenal ulcer, 283; following cæsarean section, 491
Immunity, Significance of specific organ, to transplantation, 340
Impetigo, Epidemic of, in newborn infants, 125
Influenza, Hæmorrhagic types of ear disease occurring during epidemics of, 364
Insanity, Renal sepsis associated with manic depressive, 37
Insulin, Toxæmias of pregnancy, 404; value of, in diabetic gangrene, 508
Intestine, Volvulus of small, 289; diverticula of small, other than Meckel's diverticulum, 388
Intestines, Effects of roentgen-ray irradiation on secretions of, 202; obstruction of, 206; pathology and surgical treatment of obstruction of, 207; practical management of types of acute obstruction of, 288; origin of pernicious anæmia in, 335. *See also* Gastro-intestinal tract, parts of intestines, and intestinal conditions and operations
Intussusception, Chronic irreducible, in twelve-months infant treated by resection, 207
Iodine, Effect of different preparations of, on pre-operative basal metabolic rate in exophthalmic goiter, 7; safety of iodized salt in prevention of goiter, 267; elimination of, in urine in normal patients and in exophthalmic goiter, 450; value of, in surgical treatment of exophthalmic goiter, 451
Iodipin, *See* Iodized oil
Iodized oil, Value of contrast media in bronchi for demonstration of bronchiectases, 15; visualization of hepatobronchial fistulæ by retrograde filling with iodized oil, 15; present status of roentgenological examination with, 57; roentgenological exploration of bronchial tubes with, 101; investigation of bronchial affections by means of, 102; investigations of bronchial affections with jodumbrin, 102; radiographic exploration of bronchopulmonary system by means of, 197; in diagnosis of tumor of spinal cord at level of fifth and

sixth cervical segments, 272; in diagnosis of bronchopulmonary lesions by bronchoscopic method, 277; results of roentgen diagnosis of diseases of spine and spinal cord with iodipin injections, 375; in otolaryngological diagnosis, 447; opaque injection study of maxillary sinuses, 447; effect of, on meninges, 455; use of, in localization of spinal lesions, 456; local and systemic effects of injection of, into subarachnoid space, 456; roentgenography and therapy with iodized oils, 494

Iodothyreoglobulin, Effect of, on diuresis and metabolism, 121

Iridectomy, Improved technique for, for glaucoma, 181

JAUNDICE, Clinical application of recent studies on, 112; marked hæmophilia in lithiasic icterus, 139

Jaw, Fractures of mandible, 181; inclusion cysts of hyomandibular region, 187; asymmetry of mandible from unilateral hypertrophy, 362; total necrosis of mandible due to acute infectious osteomyelitis, 362

Jejunostomy, Effect of, in experimental obstruction of jejunum of dog, 208

Jejunum, Parenteral injection of albumin in ulcer of, 204; radical operation for postoperative peptic ulcer of, with resection of colon, 208; effect of jejunostomy in experimental obstruction of, of dog, 208; peptic ulcer of, after gastro-enterostomy, 289; infectious state of gastric wall and gastrojejunal peptic ulcer, 387

Jodumbrin, *See* Iodized oil

Joints, Gaucher's disease with involvement of, 23; roentgen-ray examination of, of hæmophiliacs, 43; experimental studies on free bodies in, 43; pathology of tuberculosis of, in earlier stages, 44; possibility of, osteochondritic joint mouse to become rehealed into place, 44; prevention of deformity, 48; disinfection of septic, 136. *See also* names of joints and joint conditions

KIDNEY, Simultaneous cholecystography and tests of hepatic and renal functions by sodium phenoltetraiodophthalein, 22; differential diagnosis between, of pregnancy and chronic nephritis, 30; treatment of traumatic rupture of, 35; pyelography in renal diagnosis, 35; fate of phenolsulphonephthalein in normal renal pelvis with ureter tied, 36; pyelovenous back flow, 37; polycystic disease of, 37; sepsis of, associated with manic depressive insanity, 37; tuberculosis of, 38; diagnosis and differential diagnosis of stone in, and ureter, 39; conservatism in surgery of urinary tract, 41; bacteriological studies of perirenal suppuration, 126; conservative operation for serous cysts of, 126; deaths from nepthrecomy for tuberculosis based on constant, 127; vitiation of results of nephrectomy for unilateral tuberculosis by tuberculous lesions outside, 127; function of homogenous, transplant, 128; function of autogenous, transplant, 128; inner topography of, 223; physiology of renal calyces and renal pelvis, 223; Pregl test of function of, and Haberer's experience with it, 224; acute changes in rabbit's, produced by ligating ureter, 319; renal counterbalance, 319; origin, growth and spontaneous passage of calculi in, 320; renal tuberculosis in child as compared with that in adult, 320; interesting problems in surgery of, 321; operative exploration of, 321; value of phenolsulphonephthalein test in renal and circulatory diseases 325; method of operation for floating, 408; total infarction of, from traumatic necrosis of vascular peduncle, 408; passage of bacillus coli through, with acute staphylococcic lesions, 408; suture of renal pelvis after pyelolithotomy, 409; carcinoma of, 410; subcutaneous injuries of, 493; anatomy of pelvis of, 493; leucoplakia of, 494. *See also* kidney conditions and operations and urinary tract

Knee, Tuberculous osteo-arthritis of, cured by bone grafting with patient remaining in bed only twenty-five days, 50; arthrotomy for calculi in, 137; operative treatment of instability of, following crucial ligament injury, 330

LABOR, Preparation of external genitalia with iodine-alcohol for delivery, 31; difficulties in, in so-called partial retroflexion of uterus and their management in cases of advanced pregnancy, 32; value of Kielland forceps in obstetrics, 123; eclampsia during, 124; occurrence of brain pressure and its effect upon fetal heart sounds during, 221; Wassermann reaction in, 313; mechanism of, in brow presentations, 314; need and possibility of giving students practical instruction in usual methods of controlling hæmorrhage in third stage of, 316; examination of uterus during, 317; defensive mechanism of parametrium during, 403; statistical study of incidence and treatment of, complicated by contracted pelvis in obstetrical service of Johns Hopkins Hospital, 406; rupture of uterus in case of face presentation, 406; obstetrical shock, 407; importance of outlet pelvimetry, 407; treatment of cystic tumors of ovary at time of delivery, 488; etiology of lacerations of uterus with regard to pathologico-anatomical conditions, 490

Labyrinth, Development of membranous, 182

Lachrymal gland, Neoplasms of, 87

Lachrymal sac, Malignant tumors of, 88

Laminectomy, Idiopathic incontinence of urine and, 98; lumbosacral, in retention and incontinence of urine due to spina bifida occulta, 460

Larynx, Treatment of tuberculosis of, with Goerz-Wessely lamp, 8; blastomycosis of, 8; treatment of chronic stenosis of, 96; cancer of, in woman, 97; newer methods of X-ray examination of, 185; effects on, of artificial pneumothorax in treatment of pulmonary tuberculosis, 198; dislocation of, and trachea in extirpation of tumors of cervical portion of œsophagus, 199; resection of superior laryngeal nerve in tuberculosis of, 269; tuberculosis of, treated with galvanocautery, 370; enchondromata of, 370; surgical diathermy in, 371; carcinoma of, 453; use of injected iodized oil in roentgen-ray diagnosis of, 462

Lead, Treatment of cancer with, 234, 339

Leg, Rôle of tensor fasciæ femoris in deformities of lower extremities, 47; correction of deformities of lower extremities, 48; cured case of fat embolism of brain following fracture of, and simulating progressive paralysis, 191; cutaneous carcinoma of lower extremities, 234; significance of collateral pulse in diagnosis of injuries of large arterial trunks of extremities, 334; treatment of imperfectly consolidated bimalleolar fractures, 498; innervation of blood vessels of lower extremity, 499

Legg's disease, *See* Osteochondritis deformans juvenilis

Leishmaniasis, Polyp of, 365

Leucocytes, Changes in number of, and leucocyte formula during postoperative period, 502

Ligaments, Experimental production of annular, as example of influence of function upon differentiation of connective tissue, 45

Ligature, Conduct and fate of, made from parietal peritoneum of ox when implanted in living tissue, 505

Light, Results of treatment by artificial, on phlyctenular and other tuberculous lesions of eye, 89; efficacy of various sources of, in general treatment with, 144,

value of concentrated arc, in roentgen and radium lesions of skin, 338; physiological and therapeutic effects of artificial, 338; influence of chemical, baths on bactericidal processes in blood and serum, 419; treatment with, in surgical tuberculosis, 423
Lip, Cavernous hæmangioma of upper, 362
Lipiodol, *See* Iodized oil
Liver, Visualization of hepatobronchial fistulæ by retrograde filling with iodized oil, 15; testing of function of, 21; detoxication by, 21; simultaneous cholecystography and tests of hepatic and renal functions by sodium phenoltetra-iodophthalein, 22; pylephlebitis and abscess of, following appendicitis, 109; present status of functional tests of, 111; X-ray diagnosis of diseases of, 111; primary pyopneumocyst of, 112; cytoplasmic rôle of, 209; comparative study of functional tests of, 209; comparative study of five methods of testing function of, 210; hydatid cyst of, opening into bile passages and causing formation of choledochocutaneous biliary fistula, 294; primary carcinoma of, 294; function test of, with tetrachlorphenolphthalein in toxicoses of pregnancy, 310; excretion of phenolsulphonephthalein in diseases of, 325
Lumbar puncture, Diagnostic importance of, in subarachnoid block, 270; in meningococcus meningitis, 374
Lung, Phrenic evulsion as aid in treatment of pulmonary tuberculosis and bronchiectasis, 11; radical phrenicotomy for tuberculosis, 11; suppurative diseases of, due to inspirated foreign body contrasted with those of other etiology, 15; pulmonary tuberculosis and pregnancy, 29, 402; exeresis of phrenic nerve in pulmonary affections, 194; bronchoscopic aids in thoracic surgery, 197; radiographic exploration of bronchopulmonary system by means of lipiodol, 197; care of bronchial stump following amputation of, 198; effects on larynx of artificial pneumothorax in treatment of pulmonary tuberculosis, 198; diagnosis and treatment of metastatic tumors in chest, 200; pulmonary complications in gastric surgery treated by autohæmotherapy, 205; lipiodol in diagnosis of bronchopulmonary lesions by bronchoscopic method, 277; morphological changes associated with partial occlusion of pulmonary veins of one, 277; roentgen-ray diagnosis of abscess of, 382; abscess of, from medical standpoint, 382; surgical aspects of abscess of, 382; bronchoscopic treatment of abscess of, 382; preventive vaccination against pulmonary complications in operations on stomach, 386; use of injected iodized oil in roentgen-ray diagnosis of bronchopulmonary conditions, 462; surgical treatment of abscess of, 463; abscess of, 463; postoperative abscess of, 463; liberation of pleural bands under pleuroscopic control during treatment of tuberculosis by artificial pneumothorax, 463; simple and combined ligatures of pulmonary vessels, 464; pulmonary complications following ether and ethylene-ether anæsthesia, 506
Lymph glands, Treatment of tuberculous lymphadenitis by cinnamic benzyl ether, 139
Lymph vessels, Proliferations of, in uterine musculature, 298
Lymphatics, Lymphatic drainage, 53
Lymphoblastoma, 508; age, sex incidence, and duration of, 417; effect of roentgen-ray, radium irradiation, and surgery on, 417; gastric manifestations of, with reference to roentgen findings, 473; radiotherapy for, 509
Lymphogranulomatosis, *See* Hodgkin's disease

MAGNESIUM SULPHATE, Intravenous administration of, in pre-eclampsia and eclampsia, 487
Malignancy, *See* Cancer and names of organs
Mandible, *See* Jaw
Mastoid, Suppuration in, with intact tympanic membrane, 91
Mastoidectomy, End-results of radical mastoid operation with reference to hearing, 4; skin-periosteal flap for radical mastoid, 365
Mastoiditis, Definite, in which middle ear was not affected, 365
Maxilla, *See* Jaw
Maxillary sinus, Puncture of, 91; hyperplastic inflammation of, 91; malignant neoplasms of antrum of Highmore, 186; opaque injection study of, 447
Meckel's diverticulum, Peptic ulcer of, 106, 107
Mediastinotomy, Anterior, for struma intrathorax, 189
Mediastinum, Median sternotomy as palliative decompressive treatment for tumors of, 384
Megasigmoid, Imperforate anus with associated, 111
Melæna neonatorum, Etiology and healing process of duodenal ulcer in, 317
Meninges, Spontaneous meningeal hæmorrhage, 373; effect of lipiodol on, 455
Meningioma, Invasion of intracranial sinuses by, 9
Meningitis, Cystic, purulent cerebrospinal, following lumbar anæsthesia induced with novocain, 56; chemotherapy and serum therapy of pneumococcus and streptococcus, 374; advanced meningococcus treated by combined ventricular, cisternal, and lumbar punctures, 374
Menopause, Changes in internal secretion in normal, 147; carcinoma of ovary and bleeding after, 306
Mercurochrome-220, Intravenous administration of, soluble in treatment of sepsis, 420
Mercury, Noma with perforation of cheek after injections of, 448
Mesentery, Rôle of, in visceral disorders, 17; mobilization of root of, 202; arteriomesenteric occlusion of duodenum, 389; mesenteric lymphadenitis, 468
Metabolism, Effect of two preparations of iodine on preoperative basal metabolic rate in exophthalmic goiter, 7; basal, in toxæmias of pregnancy, 31; relation of cholesterinæmia and calcæmia in thyroid conditions to basal, 95; changes in basal, caused by splenectomy, 117; effect of iodothyreoglobulin on, in pregnancy, 121; clinical use of, test in thyroid toxicity, 267; participation of fetus and thyroid in elevation of basal, during pregnancy, 486
Meyer-Schlueter sound, Construction and use of, 191
Midwifery, Plea for reform in teaching of, 405
Milk, Use of injections of, in pelvic inflammation, 399
Mouth, Curie therapy of epidermoid carcinoma of intra-oral group as carried out at Radium Institute, Paris, 262; radium emanation in treatment of cancer of tongue and other parts of oral cavity, 262; treatment of intra-oral carcinoma by contact application of radium, 262; treatment of buccal carcinoma, 264
Muscle, Relation of sympathetic nervous system to tonus of skeletal, 99; suture in hernia repair, 104
Myositis ossificans progressiva, 327

NECK, Hæmorrhagic cysts of, 94
Nephrectomy, Deaths from, for tuberculosis, 127; vitiation of results of, for unilateral tuberculosis by tuberculous lesions outside kidneys, 127; clinical study of, 322
Nephritis, Differential diagnosis between kidney of pregnancy and chronic, in pregnancy, 30; clinical study of, in pregnancy, 30; classification of toxæmias of latter half of pregnancy, 404
Nephrostomy, Indication of, preliminary to ureterorectoneostomy, 39

Nephrotomy without sutures in dogs with single kidneys, 494
Nephro-ureterectomy for imperforate supernumerary ureter, 410
Nerve, Operative correction of facial palsy, 1; radical operation on phrenic, for tuberculosis, 11; evulsion of phrenic, as aid in treatment of pulmonary tuberculosis and bronchiectasis, 11; injury of phrenic, in newborn, 34; exeresis of phrenic, in pulmonary affections, 194; clinical lessons from operations on phrenic, 195; condition of vagus, in gastric and duodenal ulcer, 203; persistent hiccough treated successfully by injections of novocain into phrenic, 215; coloboma of optic, 261; resection of superior laryngeal, in tuberculosis of larynx, 269; treatment of flat-foot by freezing of peroneal, 329; neuralgia of trifacial, of seven years' duration relieved by simple intrabuccal resection of 3 cm. of left lingual, 374; otogenic paralysis of abducens, 375; phrenicectomy, 376; results of hypoglossofacial anastomosis for facial paralysis, 455
Nerves, Tumors arising from neuroblasts, 196; restoration of innervation in skin transplants, 196; innervation of blood vessels of lower extremity, 499
Neuralgia, Partial neurectomy of sensory root of gasserian ganglion in trifacial, with preservation of corneal sensation, 9; radical treatment of trigeminal, 10; surgical relief of glossopharyngeal, 10; of trifacial nerve of seven years' duration relieved by simple intrabuccal resection of 3 cm. of left lingual nerve, 374
Newborn, Phrenic nerve injury in, 34; epidemic of impetigo in, 125; etiology and healing process of duodenal ulcer in melæna neonatorum, 317
Noma with perforation of cheek after mercury injections, 448
Nose, Normal bacterial flora of, with variations during colds, 4; combined operative and irradiation treatment of cancer of, and accessory sinuses, 92; pathogenesis of polyps of septum, 365; radium in treatment of tumors of nasopharynx, 366; surgical diathermy in laryngology, 371
Novocain, Cystic, purulent cerebrospinal meningitis following lumbar anæsthesia induced with, 56; albromin as substitute for, for local anæsthesia in intracranial operations, 192; effect of paravertebral injections in angina pectoris, 195; persistent hiccough treated successfully by injections of, into phrenic nerve, 215
Nystagmus, Use of terms first-, second-, and third-degree, 259

OBSTETRICS, Virulence test in, 401
Œsophagoscopy for disease, 381
Œsophagus, Obstruction of, by calcified intrathoracic gland, 16; surgical treatment of unusually large diverticulum of, adherent to pleura, 199; cicatricial stenosis of, 199; dislocation of larynx and trachea in extirpation of tumors of cervical portion of, 199; mechanism and value of artificial, 278; diverticula of, 466; complete reconstruction of, by method of Roux, 467; cardiospasm treated by digital divulsion, 469
Operation, Bacteria in blood after, 233; medical aspects of surgical convalescence, 418; postoperative treatment, 418; hydræmia in certain postoperative syndromes, 419; postoperative pulmonary abscess, 463; changes in blood pressure under influence of, 499; effect of, on changes in coagulability of blood, 501; changes in catalase index of blood after, 501; changes in viscosity of blood under influence of anæsthesia and, 501; effect of, and narcosis on calcium content of blood, 501; changes in number of the erythrocytes and blood platelets during postoperative period, 502; changes in number of leucocytes and leucocyte formula during postoperative period, 502
Ophthalmitis, Phaco-anaphylactic, 89
Optic canal, Newer methods of X-ray examination of, 185
Orbit, Ethmofrontal mucocele with invasion of, 367
Orthopedics, Observations of medical man in orthopedic clinic, 43
Os calcis, *See* Calcaneum
Osteitis deformans, 327
Osteochondritis deformans juvenilis, Acetabular lesions in, 47; theory as to cause of Perthes' disease based on roentgenological findings, 135; clinical observations after healing of Calvé-Perthes disease compared with final deformities and bearing of final deformities on ultimate prognosis, 136
Osteomyelitis, Non-suppurative, 133
Otitis media, Prognosis of middle-ear suppuration in children, 4
Ovariectomy for slow and progressive torsion of mucoid cyst of ovary in fourth month of pregnancy, 122
Ovary, Adenomyomata of, 25; fate of graafian follicle in human, 27; intraperitoneal hæmorrhage from rupture of lutein cyst of, 27; rupture of corpus luteum cyst simulating rupture of ectopic pregnancy, 27; cyst of, twisted on its pedicle with carcinoma of sigmoid discovered incidentally, 28; slow and progressive torsion of mucoid cyst of, in fourth month of pregnancy, 122; sudden torsion of dermoid cyst of, involving tube during pregnancy, 122; changes in internal secretion after operative castration and roentgen castration and in normal climacterium, 147; cholelithiasis and chronic salpingo-oöphoritis with adherent abdominal scars, 211; ovarian graft and its application to treatment in clinical cases, 217; cyst of, free in peritoneal cavity of three-months-old infant, 218; Krukenberg tumors of, 218; pregnancy in, following operation for tubal pregnancy on same side, 220; development, technique, use, and results of temporary sterilization by roentgen rays, 304; incidence and end-results of carcinoma of, 305; production of sexual cycle, development of sexual characteristics, and reactivation of senile female organism by extract of, and placenta, 305; temporary sterilization of women by roentgen-ray irradiation, 305; postclimacteric bleeding and carcinoma of, 306; histological changes in thyroid in animals injected with extract of corpus luteum, 449; clinical tests of follicular hormone of, 484; treatment of cystic tumors of, during pregnancy and at time of delivery, 488

PAGET'S disease of bone, *See* Osteitis deformans
Pain, In shoulder and arm in rupture of pancreas and spleen, 213; visceral and referred, 395
Palate, Closure of congenital clefts of hard, 368
Palm, Congenital contracture of, 496
Palsy, Operative correction of facial, 1; isolated, associated with irritation of gasserian ganglion, 375
Pancreas, Study of external insufficiency of, as indicated by enzymes in duodenal juice removed with sound, 114; roentgen diagnosis of cystic tumors of head of, 115; resection-implantation of duodenum into, in carcinoma of stomach, 205; disease of, 213; rupture of, and spleen cured by operation, 213; implantation into stomach of pancreatic fistula following cyst, 214; causes of external secretion of, and mechanisms concerned, 296; ruptures of, in abdominal injuries, 394; accessory, 394
Pancreatitis, Pathological physiology of experimental gangrenous, 213; urgent surgery of abdomen, 297; associated with cholecystitis, 478
Papilloedema, Choked disk and vitreous opacities following fracture of skull, 3; influence of decompression operations on experimentally produced, 191

Parametrium, Defensive mechanism of, during pregnancy and labor, 403
Parathyroid glands, Diagnostic criteria of chronic insufficiency of, 7; secretion of, and their importance for organism, 96; transplantation of, in partial thyroidectomy, 190; transplantation of human, by method of Voronoff in chronic tetany in adults, 452
Pelvimetry, Importance of outlet, 407
Pelviotomy, 315
Pelvis, Treatment of infections of, 307; inflammation in, in women, 399; use of milk injections in inflammation in, 399; thermotherapy in treatment of inflammation in, 399; statistical study of incidence and treatment of labor complicated by contracted, in obstetrical service of Johns Hopkins Hospital, 406
Periarterial sympathectomy, *See* Sympathectomy
Pericarditis, Treatment of obliterative, and precordial thoracectomy, 466
Perineum, Horteloup's resection of, for complicated gonorrhœal strictures, 227
Periosteum, Importance of, in origin and treatment of pseudarthroses, 228
Peritoneum, Healing of wounds of, 468; experiments on conduct and fate of ligature made from parietal, of ox when implanted in living tissue, 505
Peritonitis, Lymphatic drainage in, 53; treatment of acute, 201; effect of anti-serum against coli-soluble toxic substance of bacillus in bacillus-coli, 201; roentgenographic shadows suggesting calculi in tuberculous, 201; fatal biliary, after puncture of common duct, 212; roentgen diagnosis of, 279; free gas in abdominal cavity, 296
Perthes' disease, *See* Osteochondritis deformans juvenilis
Pharynx, Normal bacterial flora of, with variations during colds, 4; surgery of malignant disease of, 5; surgical relief of glossopharyngeal neuralgia, 10; chordoma of cervical vertebræ with involvement of, 134; newer methods of X-ray examination of, 185; complications of acute inflammations of throat with special reference to parapharyngeal space, 265; radium in treatment of tumors of nasopharynx, 366; radical cure of peritonsillar abscess, 368; surgical diathermy in laryngology, 371; septum of nasopharyngeal space, 449
Phenolsulphonephthalein, Fate of, in normal renal pelvis with ureter tied, 36; excretion of, by kidneys, 325; excretion of, in circulatory and liver diseases, 325; value of, test in renal and circulatory diseases, 325; fate of, in organism, 325
Phenoltetra-iodophthalein for cholecystography, 390
Phlebitis, Part played by coagulability of blood in development of postoperative, 499
Phrenicectomy, 376; exeresis of phrenic nerve in pulmonary affections, 194; clinical lessons from 100 operations on phrenic nerve, 195
Phrenicotomy, Radical, for tuberculosis, 11
Pituitary gland, *See* Hypophysis
Placenta, Production of sexual cycle, development of sexual characteristics, and reactivation of senile female organism by extract of ovary and, 305; etiology of accidental hæmorrhage and infarction of, 403
Placenta prævia, Treatment of, 32, 488; cases of, at Lying-In Hospital in Karlsruhe, 488
Pleura, Possibility of preventing effusions of, following thoracotomies by artificial pneumothorax, 198; study of human, and its relation to blebs and bullæ of emphysema, 198; separation of adhesion of, in fourth year of insufflation of artificial pneumothorax, 380; liberation of bands in, under pleuroscopic control during treatment of tuberculosis by artificial pneumothorax, 463
Pneumo-encephalography, Value and safety of simplified method of, 271
Pneumothorax, Possibility of preventing effusions following thoracotomies by artificial, 198; artificial, in treatment of pulmonary tuberculosis, 198; effects of, on larynx, 198; separation of pleural adhesion in course of fourth year of insufflation of artificial, 380; liberation of pleural bands under pleuroscopic control during treatment of tuberculosis by artificial, 463
Poliomyelitis, Importance and treatment of flexion contracture of hip after, 330
Pons varolii, Glioma of, 98
Portal vein, Successful suture of, 232
Pott's disease, *See* Spine
Pregl test of kidney function, 224
Pregnancy, Rupture of corpus luteum cyst simulating rupture of ectopic, 27; use of vaginal stethoscope in early diagnosis of, 29; pulmonary tuberculosis and, 29; differential diagnosis between kidney of, and chronic nephritis in, 30; clinical study of nephritis in, 30; necrosis of corpus luteum of, 30; basal metabolism in toxæmias of, 31; interagglutination of maternal and fetal blood in late toxæmias of, 31; difficulties in labor in so-called partial retroflexion of uterus and their management in advanced, 32; appendicitis in, 108; obstetrical results of shortening round ligaments, 118; incompatibility of, and fibroids of uterus, 119; spontaneous rupture of uterus during, 121; effect of iodothyroglobulin on diuresis and metabolism in, 121; sudden torsion of dermoid cyst of ovary involving tube during, 122; complicated by fibroids, 122; slow torsion of mucoid cyst of ovary in fourth month of, 122; pathological and chemical changes in hyperemesis of, 123; ovarian, following operation for tubal, on same side, 220; with retention of mature fetus of previous, 220; cancer of cervix and, treated by cæsarean section, Porro's amputation, and radium therapy, 220; cancer of cervix and, treated by hysterectomy, 221; results of antenatal supervision, 309; calcium metabolism in, 309; liver function test with tetrachlorphenolphthalein in toxicoses of, 310; increase in quantity of blood during, 310; appendicitis during, 311; bacterial content of uterine cavity during, 312; Wassermann reaction in, 313; degree of cleanliness of vaginal contents at end of, and its prognostic significance as regards morbidity during puerperium, 317; pulmonary tuberculosis complicated by, 402; relationship between, and tuberculosis, 402; etiology of chorea gravidarum, 402; defensive mechanism of parametrium during, 403; etiology of accidental hæmorrhage and placental infarction, 403; revised conception of antepartum accidental hæmorrhage, 403; classification of toxæmias of latter half of, 404; glucose and insulin in toxæmias of, 404; cæsarean section in twin, 407; importance of outlet pelvimetry, 407; seven times after cæsarean section, 486; age and primiparity, 486; participation of fetus and thyroid in elevation of basal metabolism during, 486; toxæmias of, 487; present status of toxæmias of, 487; toxæmia of, with convulsions at New York Lying-In Hospital, 487; treatment of cystic tumors of ovary during, 488; extra-uterine, with perforation of bladder, 489, 490; combined intra-uterine and extra-uterine, 490; pathogenesis of puerperal psychoses, 491
Prostate, Prostatic obstruction, 40; diagnosis and treatment of hypertrophy of, 324; suprapubic prostatectomies for hypertrophy of, 413
Prostatectomy, Hæmostasis in suprapubic, 41; epidural anæsthesia for perineal, 131; operation for incontinence of urine following perineal, 131; pyelonephritis

after, 131; observations bearing upon, 225; prostatism and, 324; indications, technique, and results of Freyer's, 413; suprapubic, 413
Prostatism and prostatectomy, 324
Protein therapy, Parenteral injection of albumin in gastric, duodenal, and jejunal ulcers, 204; influence of, on experimental staphylococcal infection of rabbit's cornea, 363; use of milk injections in pelvic inflammation, 399
Pseudarthroses, Importance of periosteum in origin and treatment of, 228
Psychoses, Pathogenesis of puerperal, 491
Pubic bone, Puerperal streptococcal septicæmia with sequestrating osteitis of right, 222
Pubiotomy, Defects and dangers of, 491
Puerperium, Treatment of infection in, by intra-uterine injections of glycerine, 33; laboratory investigations in connection with fever in, 33; review of deaths in, 124; treatment of infection in, 124; streptococcal septicæmia with sequestrating osteitis of right pubic bone, 222; rectal and vaginal examinations and prophylaxis of infections in, 222; new procedure for treatment of severe infection in, 222; appendicitis during, 311; Wassermann reaction in, 313; prophylactic immunization against streptococcus septicæmia in, 317; degree of cleanliness of vaginal contents at end of pregnancy and its prognostic significance as regards morbidity during, 317; influence of vaginal and uterine examinations on, 317; importance of spleen in resistance to infection as indicated by severe sepsis in, in woman recently splenectomized, 394; etiology of chorea gravidarum, 402; pathogenesis of psychoses of, 491; rôle of anaerobic streptococci in infection in, 492
Pulse, Significance of collateral, in diagnosis of injuries of large arterial trunks of extremities, 334
Pupil, Relation of aperture of eye to ocular function, 259; globular masses on margin of, in acute circumscribed chorioretinitis, 260
Purpura, Splenectomy in thrombocytopenic hæmorrhagic, 115; splenectomy for hæmorrhagic, 214
Pyelography, In renal diagnosis, 35; diagnosis by, 36; consequences of, in carcinoma, 224; in diagnosis of tumors of the flank, 397; variations in normal pyelograms, 409; interpretation of pyelographic shadow, 409; fluoroscope as aid to, 493
Pyelolithotomy, Suture of renal pelvis after, 409
Pyelonephritis after prostatectomy, 131
Pyelovenous back flow, 37; fate of phenolsulphonephthalein in normal renal pelvis with ureter tied, 36
Pylephlebitis and liver abscess following appendicitis, 109

RADIUM, Treatment of carcinoma of cervix by irradiation, 26; combined operative and irradiation treatment of cancer of nose and accessory sinuses, 92; use of, in malignant diseases of paranasal sinuses, 93; of carcinoma of tongue, 94; in management of breast carcinoma, 101; new development in treatment with, 143; in cancer of tongue and secondary involvement of lymph nodes, 186; histological investigation of cancer of cervix of uterus cured locally by treatment with, and X-rays, 216; treatment of squamous-cell epithelioma of cervix, 216; carcinoma of cervix treated exclusively by irradiation, 217; treatment of carcinoma uteri with, 217; treatment with, in cancer of cervix and pregnancy, 220; Curie therapy of epidermoid carcinoma of intra-oral group as carried out at Radium Institute, Paris, 262; results obtained in cancer of tongue treated with, and roentgen rays, 262; treatment of intra-oral carcinoma by contact application of, 262; in treatment of buccal carcinoma, 264; cancer of breast from viewpoint of radiologist, 275; cancer of female breast and radiation therapy, 275; proper co-ordination between surgery, radium, and X-ray therapy in cancer of breast, 275; irradiation of myoma uteri, 299; results in myoma uteri treated with, 299; surgery, roentgen rays, and, in treatment of carcinoma of cervix, 301; results of irradiation of cancer of uterus, 302; protracted irradiation of carcinoma of uterine cervix with, 303; value of concentrated arc-light treatment in lesions of skin due to, 338; in treatment of tumors of nasopharynx, 366; cancer of cervix treated with, at distance, 399; effect and risks of treatment with, of benign gynecological complaints, 401; effect of, on lymphoblastoma, 417; modern tendencies in treatment of cancer, 421; in carcinoma of rectum and sigmoid, 476; carcinoma of cervix and fundus uteri treated by combinations of surgery, roentgen ray, and, 483; death following intra-uterine application of, 483; in treatment of cancer of uterus and vagina, 483; in treatment of lymphoblastoma, 508, 509
Radium emanation in treatment of cancer of tongue and other parts of oral cavity, 262
Radius, Fractures of head and neck of, 230; treatment of fractures of forearm, 331
Radon seeds, Use of removable, in carcinoma of tongue, 264
Ramisection, Section of rami communicantes arising from stellate ganglion, 273; anatomy of sympathetic nervous system with reference to, 458
Raynaud's disease, Sympathectomy in, 460
Rectocele, Operative treatment of, 219
Rectum, Indication for nephrostomy preliminary to ureterorectoneostomy, 39; field of application of primary and secondary drawing-through procedure following resection of cancer of, by sacral route, 110; empalement wounds of, 111; late results following abdominoperineal excision of cancer of, 292; operation for complete prolapse of, 292; end-results of resection of carcinoma of, 293; simple, bloodless operation for prolapse of, in children, 475; complications of excision of, 476; results of treatment by radiation in carcinoma of, 476; lesions of, following gynecological laparotomies, 485. *See also* Colon, Gastro-intestinal tract
Renal artery, Effect of ligature of one branch of, on rate of development of hydronephrosis, 224
Respiration, Effects of partial tracheal obstruction on, of morphinized dogs, 463
Retina, Some essentials of glioma of, 4; septic focus in, of apparently healthy boy, 260
Roentgen ray, Effect of cathode rays on bacteria *in vitro* and in fresh wounds, 337
Roentgen-ray diagnosis, Value of contrast media in bronchi for demonstration of bronchiectases, 15; visualization of hepatobronchial fistulæ by retrograde filling with iodized oil, 15; of syphilis of stomach, 17; of peptic ulcer, 18; cholecystography, 22, 390; cholecystography by oral method, 22; simultaneous cholecystography and tests of hepatic and renal functions by sodium phenoltetra-iodophthalein, 22; unusual bile-duct visualization by roentgenograms of barium meal, 23; cystogram study of cystocele and prolapsus, 25; by pyelography, 35, 36; of joints of hæmophiliacs, 43; development of spinal vertebræ as seen on skiagrams from late fetal life to age of fourteen, 46; possible source of error in, of normal vertebral column, 46; present status of, with lipiodol, 57; roentgenological exploration of bronchial tubes with iodized oil, 101, 102, 197, 277; reliability of gastric niche in, of ulcer of stomach, 104; of gastro-intestinal infection, 105; of diseases of liver and gall bladder, 111; of cystic tumors of head of pancreas, 115; rupture of bladder during cystora-

diography, 129; absence of shadow in roentgenography for vesical calculi, 130; cause of Perthes' disease based on roentgenological findings, 135; newer methods of X-ray examination of paranasal sinuses, optic canals, pharynx, and larynx, 185; roentgenographic shadows suggesting calculi in tuberculous pelviperitonitis, 201; of gall-bladder diseases from standpoint of surgeon, 210; clinical study of cholecystitis with aid of cholecystography, 210; practical value of Graham-Cole method in diagnosis of gall-bladder disease as compared with older method, 210; in case of carcinoma with hæmaturia showing consequences of pyelography, 224; value and safety of simplified method of pneumo-encephalomyelography, 271; of tumor of spinal cord at level of fifth and sixth cervical segments, 272; of abdominal effusion, 279; of peritonitis, 279; of chronic gastritis, 280; of pedunculated growths and gastric mucosa prolapsing through pylorus, 281; of gastric and duodenal ulcer associated with chronic duodenal ileus, 282; of free gas in abdominal cavity, 296; stereoroentgenography as method of exploring cranial sinuses, 366; results of, of diseases of spine and spinal cord with iodipin injections, 375; of non-opaque foreign bodies in air passages, 380; of lung abscess, 382; X-ray visualization of duodenum by introduction of opaque fluid through Einhorn tube, 389; cholecystography in operative cases, 390; pyelography in diagnosis of tumors of flank, 397; variations in normal pyelograms, 409; interpretation of pyelographic shadow, 409; of shadows in urinary tract, 409; iodized oil (lipiodol) in otolaryngological diagnosis, 447; with opaque injection in conditions of maxillary sinuses, 447; effect of lipiodol on meninges, 455; use of lipiodol in localization of spinal lesions, 456; use of injected iodized oil in, of laryngeal, tracheal, and bronchopulmonary conditions, 462; of gastric manifestations in lymphoblastoma, 473; roentgenological findings in ulcerative colitis, 474; fluoroscope as aid to making pyelograms, 493; with iodized oils, 494

Roentgen-ray treatment, In carcinoma of cervix, 26; action of, on regeneration of blood, 53; combined with operation in cancer of nose and accessory sinuses, 92; in malignant diseases of paranasal sinuses, 93; of carcinoma of tongue, 94; results of, in early pituitary lesions, 98; of breast carcinoma, 101; biological effects of, 143; in surgical tuberculosis, 143; changes in internal secretion after roentgen castration, 147; effects of, on gastric and intestinal secretions, 202; histological investigation of cancer of cervix of uterus cured locally by radium and, 216; carcinoma of cervix treated exclusively by irradiation, 217; treatment of deep burns due to, by excision and tissue shifting, 233; results obtained in cancer of tongue subjected to, 262; of buccal carcinoma, 264; of thyroid, 266; follow-up of cases of exophthalmic goiter subjected to, 267; of Graves' disease, 268; in cancer of female breast, 275; cancer of breast from viewpoint of radiologist, 275; proper coordination between surgery, radium, and, in cancer of breast, 275; fibromyomata of uterus treated by surgical operation or intensive, 299; surgery, radium, and, in carcinoma of cervix, 301; results of irradiation of cancer of uterus, 302; development, technique, use, and results of temporary sterilization by, 304; temporary sterilization of women by, 305; effect of cathode rays on bacteria *in vitro* and fresh wounds, 337; value of concentrated arc light in lesions of skin due to, 338; relative value of various techniques in, of carcinoma of breast, 378; modern tendencies in treatment of cancer, 421; of surgical tuberculosis, 423; X-ray and metastasis in breast cancer, 462; results of, in carcinoma of rectum and sigmoid, 476; of myomata and hæmorrhagic metropathies, 481; of cancer of uterus and vagina at University Gynecological Clinic, Berlin, 483; combinations of surgery, radium, and, in carcinoma of cervix and fundus uteri, 483; practical considerations in application of deep, in malignant disease, 507; of sarcoma, 507; of lymphoblastoma, 417, 508, 509

Round ligaments, Obstetrical results of shortening, 118

SACCUS endolymphaticus, Experiments on, in rabbit, 364

Sacro-iliac joint, Result of arthrodesis of, for arthritis, 49

Salpingo-oöphoritis with cholelithiasis and adherent abdominal scars, 211

Salpingostomy, Sterility treated by, 304

Salt solution, Hypertonic, in adynamic ileus, 19; hypertonic sodium-chloride solution intravenously in treatment of extensive superficial burns, 141

Sarcoma, Retroperitoneal, with hæmorrhage, 24; irradiation treatment of, 507

Scalp, Surgical removal and pathological study of squamous-cell epithelioma associated with angioma of, 362

Scoliosis, Alternating, 497

Semilunar cartilages, Cysts of, 228

Seminal vesicles, Roentgenography and therapy with iodized oils, 494

Septicæmia, Treatment of puerperal infection by intrauterine injections of glycerine, 33; laboratory investigations in connection with puerperal fever, 33; dental sepsis and, 93; review of puerperal deaths, 124; treatment of puerperal infection, 124; puerperal streptococcal, with sequestrating osteitis of right pubic bone, 222; rectal and vaginal examinations and prophylaxis of puerperal infections, 222; new procedure for treatment of severe puerperal infection, 222; prophylactic immunization against puerperal streptococcus, 317; importance of spleen in resistance to infection as indicated by severe puerperal sepsis in woman recently splenectomized, 394; intravenous administration of gentian violet and mercurochrome-220 soluble in treatment of, 420; rôle of anaerobic streptococci, in puerperal infection, 492

Shock, Obstetrical, 407; as related to sympathetic nervous system, 457

Shoulder, Operative reduction of old traumatic dislocations of, 51; pain in, following operation for rupture of pancreas and spleen, 213; habitual or recurrent dislocation of, 229

Sigmoid, Ovarian cyst twisted on its pedicle with carcinoma of, discovered incidentally, 28; experimental study of physiopathology of ileosigmoidostomy, 110; imperforate anus associated with mega-sigmoid, 111; results of radiation in carcinoma of, 476. *See also* Colon, Gastro-intestinal tract

Sinus, Development of sphenoidal, 5; observations on frontal, 186; unusual ethmoidal finding, 263; ethmofrontal mucocele with extensive invasion of orbit, 367

Sinuses, Invasion of intracranial, by meningioma, 9; combined operative and irradiation treatment of cancer of nose and accessory, 92; use of radium and X-rays in treatment of malignant diseases of paranasal, 93; diagnosis and treatment of infections of paranasal, in infants and young children under ethylene anæsthesia, 185; newer methods of X-ray examination of paranasal, 185; stereoroentgenography as method of exploring cranial, 366; suppuration in ethmoidal and sphenoidal with cavernous sinus thrombosis, 447. *See also* Nose

Sinusitis, Surgical treatment of acute suppurative paranasal, 448

Skin, Plastics in traumatic lesions of, 136; rational management of grafts of, 141; cancer of, 145; restoration of innervation in transplants of, 196; cutaneous carcinoma of lower extremities, 234; method of obtaining greater relaxation with whole-thickness grafts of, 337; value of concentrated arc-light treatment in roentgen and radium lesions of, 338; healing of wounds of, 510
Skull, Choked disk and vitreous opacities following fracture of, 3; fracture of base of, and ear, nose, and throat surgeon, 361
Sound, Influence of partial and complete occlusion of external auditory canals on air- and bone-transmitted, 261
Spermatozoa, Non-specific antigenic effect of, upon fertility, 120
Sphenoid sinus, Development of, 5; suppuration in, with cavernous sinus thrombosis, 447
Sphenopalatine ganglion, Operation for removal of, 192
Spina bifida, Value of surgical management in, 330; lumbosacral laminectomy in retention and incontinence of urine due to, 460
Spina ventosa, 327
Spinal cord, Intramedullary tumor of, simulating abdominal malignancy, 11; experiences with spinal intradural tumors, 194; Froin syndrome in diversified spinal lesions, 271; tumor of, at level of fifth and sixth cervical segments accompanied by atrophy of small muscles of hands, inversion of radial reflex, and sensory disturbances due to compression, 272; results of roentgen diagnosis of diseases of, with iodipin injections, 375; healing of aseptic wounds of, 456
Spine, Development of spinal vertebræ as seen on skiagrams from late fetal life to age of fourteen, 46; possible source of error in X-ray findings in normal vertebral column, 46; correction of deformity of, 48; chordoma of cervical vertebræ with involvement of pharynx, 134; Pott's disease, 135; plaster shells in tuberculosis and fracture of, 137; exostoses of cervical vertebræ as cause of difficulty in swallowing, 187; pathogenesis of cystic structures of spinal dura mater, 193; Froin syndrome in diversified lesions of, 271; results of roentgen diagnosis of diseases of, and spinal cord with iodipin injections, 375; racemose cysticercus in, 456; use of lipiodol in localization of lesions of, 456; local and systemic effects of injection of lipiodol into subarachnoid space, 456
Spleen, Surgery and physiology of, 117; rupture of pancreas and, cured by operation, 213; importance of, in resistance to infection as indicated by severe puerperal sepsis in woman recently splenectomized, 394
Splenectomy, Splenic anæmia of young children treated by, 115; in thrombocytopenic purpura hæmorrhagica, 115; mortality and end-results of, 116; changes in blood picture and basal metabolism caused by, 117; for purpura hæmorrhagica, 214; relation of change in blood picture following, to blood-forming function of spleen, 479
Splenomegaly, Gaucher's disease with bone and joint involvement, 23
Sterility, Due to closure of tubes treated by salpingostomy, 304; statistical and critical review of the results of treatment of, in female, 307
Sterilization, Development, technique, use, and results of temporary, by roentgen rays, 304; temporary, of women by roentgen-ray irradiation, 305; operative formation of double vagina by transverse colporrhaphy for, of female, 307
Sternotomy, Median, as palliative decompressive treatment for tumors of mediastinum, 384
Sternum, Osteomyelitis of, 228
Stomach, Influence of thyroid on secretion of, 6; diagnosis of syphilis of, 17, 202; ulcer therapy as tried on niche ulcers, 17; roentgenological diagnosis of peptic ulcer, 18; healing of ulcer of, in man, 18; surgery of gastrocolic fistula following gastro-enterostomy, 18; effects of subtotal gastrectomy on secretion of, 19; reliability of gastric niche in diagnosis of ulcer of, 104; rational surgical treatment of ulcer of, 104; pathogenesis of ulcer of, 173; effects of roentgen-ray irradiation on secretions of, 202; multiple and recurring forms of ulcer of, 203; conditions of vagus nerve in ulcer of, 203; parenteral injection of albumin in ulcer of, 204; perforation of ulcers of, 204; internal or surgical treatment of bleeding ulcer of, 204; pre-operative and postoperative care in operations on, 205; resection-implantation of duodenum into pancreas in carcinoma of, 205; pulmonary complications in gastric surgery treated by autohæmotherapy, 205; results of surgical treatment of cancer of, 205; choice of operative procedures for ulcer of, 208; implantation into, of pancreatic fistula following cyst, 214; tetany as cause of gastric disturbances, 280; acute pyloric obstruction in course of stenosis, 280; additional roentgen-ray signs of chronic gastritis, 280; pathogenesis of peptic ulcer of, 281; roentgen-ray diagnosis of pedunculated growths and gastric mucosa prolapsing through pylorus, 281; pyloric stenosis from compression by two tuberculous glands, 281; ulcer of, associated with chronic duodenal ileus, 282; ulcer of, associated with chronic duodenal ileus treated by partial gastrectomy, 282; experimental studies on perforation of ulcers of, 283; delay of healing by muscle destruction in chronic ulcer of, 283; co-operation in management of peptic ulcer, 284; extirpation of magenstrasse in ulcer of, 285; recurrences following extensive resection of, for ulcer, 285; technique of surgery of, 286; acute cholecystitis following resection of, 295; urgent surgery of abdomen, 297; clinical study of hypertrophic congenital pyloric stenosis operated upon, 385; preventive vaccination against pulmonary, complications in operations on, 386; rôle of infection in development of ulcers of, 386; long-standing ulcer of, 386; relations between infectious state of gastric wall and certain troubles following gastro-enterostomy, 387; changes in gastric chemistry after resection of, 388; late result of biliary fistula with implantation of fistulous tract into, 394; gastric hæmorrhages of obscure origin, 469; management of ulcer of, 470; frequency, number, size, shape, location, color, sex, and age in cases of ulcer of, at Bellevue Hospital, New York, 470; surgical treatment of ulcer of, with particular regard to operative anatomy and postoperative digestion physiology, 471; surgical treatment of hæmorrhage due to ulcer of, 471; contra-indications to surgery in ulcer of, 471; operation for ulcers of, on lesser curve, 472; gastric manifestations of lymphoblastoma, 473. *See also* Gastric conditions and operations, Gastro-intestinal tract
Streptococci, Elective localization of, 339
Subarachnoid block, Diagnostic importance of cisternal puncture and of simultaneous cisternal and lumbar puncture on diagnosis of, 270
Subarachnoid space, Local and systemic effects of injection of lipiodol into, 456
Sympathectomy, Periarterial, 12, 458; effect of periarterial, on circulation of blood, 13; late results of perifemoral, in treatment of varicose ulcer, 99; relation of sympathetic nervous system to skeletal muscle tonus, 99; histopathological changes in heart muscle following, 100; experimental contribution on periarterial, 195; functional condition of heart and blood vessels

following extirpation of cervicothoracic sympathetic chain, 375; experimental and clinical investigations of functional condition of heart and blood vessels following extirpation of cervicothoracic sympathetic chain, 376; physiology of sympathetic nervous system in relation to certain surgical problems, 458; anatomy of sympathetic nervous system with reference to, 458; in angina pectoris, 458; bilateral extirpation of upper sympathetic ganglia and periarterial, on carotids in chronic and epidemic encephalitis with parkinsonian syndrome, 459; in Raynaud's disease, 460; in erythromelalgia, 460; in vascular diseases of extremities, 460, 500

Sympathetic nervous system, Relation of, to skeletal muscle tonus, 99; relation of syncope, collapse, and shock to, 457; physiology of, in relation to certain surgical problems, 458; anatomy of, with reference to sympathectomy and ramisection, 458

Symphyseotomy, Subcutaneous, 314

Syncope as related to sympathetic nervous system, 457

TALIPES, Correction of deformities of lower extremities, 48

Tannic acid, Prevention of toxæmia of burns by, 233

Taste, Case of pontine glioma with special reference to paths of gustatory sensation, 98

Teeth, Dental sepsis and septicæmia, 93

Tendons, Trigger finger and stenosing tendovaginitis of flexor, 45; transplantations of, for division of extensor, of fingers, 136; regeneration of, and treatment of ruptures of, particularly in region of synovial sheaths, 229; injury and regeneration of, 328; transplantation of preserved, 329

Tensor fasciæ femoris, Rôle of, in deformities of lower extremities, 47

Testicle, Evolution of, of bull after crushing of vas deferens, 226

Tetanus, Incidence and treatment of, 235

Tetany, Following operations on thyroid gland, 189; as cause of gastric disturbances, 280; chronic, in adults and transplantation of human parathyroids by method of Voronoff, 452

Tetrachlorphenolphthalein, Liver function test, with, in toxicoses of pregnancy, 310

Thoracectomy, Treatment of obliterative pericarditis and precordial, 466

Thoracic duct, Lymphatic drainage, 53

Thoracotomy, Possibility of preventing pleural effusions following, by artificial pneumothorax, 198

Thorax, *See* Chest

Throat, *See* Pharynx

Thumb, New operation for opponens paralysis of, 49

Thyroid, Substernal, 6; fate of blood supply of, after thyroidectomy with special regard to formation of new capsule, 7; metastasis from, to bones, 95; importance of, in relation to certain varieties of heart disease, 95; relation of cholesterinæmia and calcæmia in conditions of, to basal metabolism, 95; tetany following operations on, 189; exophthalmic goiter and tuberculosis of, 189; clinical and pathological study of malignant neoplasms of, 190; physiology of, from standpoint of pathology of, 265; diagnosis and medical treatment of diseases of, 266; surgery of, 266; radiation in diseases of, 266; diagnosis of, toxicity, 267; heart in toxicity, 267; action of cytotoxic serum on carcinoma of, 269; in relation to "toxic goiter," 368; grafts of, 370; histological changes in, in animals injected with extract of corpus luteum, 449; participation of, in elevation of basal metabolism during pregnancy, 486. *See also* Goiter

Thyroidectomy, Fate of blood supply of thyroid after, with special regard to formation of new thyroid capsule, 7; total, in thyrotoxicosis of exophthalmic type, 7; tetany following operations on thyroid gland, 189; transplantation of parathyroids in partial, 190; hyperthyroidism persisting after, 452

Thyrotoxicosis, Influence of, on gastric secretion, 6

Tibia, Treatment of fractures of upper end of, 52; treatment of imperfectly consolidated bimalleolar fractures, 498

Tongue, Treatment of carcinoma of, 94; radium therapy in cancer of, and secondary involvement of lymph nodes, 186; radium emanation in treatment of cancer of, 262; results obtained in cancer of, treated with radium and roentgen rays, 262; technique of use of removable radon seeds in carcinoma of, 264

Tonsils, Radical cure of peritonsillar abscess, 368

Trachea, Tumor of, 15; treatment of chronic stenosis of, 96; foreign bodies in tracheobronchial tree, 197; dislocation of larynx and, in extirpation of tumors of cervical portion of œsophagus, 199; use of injected iodized oil in roentgen-ray diagnosis of conditions of, 462; effects of partial obstruction of, on circulation and respiration of morphinized dogs, 463

Trachoma, Surgery of, 3

Transfusion, *See* Blood transfusion

Transplantation, Significance of specific organ immunity to, 340

Trigger finger and stenosing tendovaginitis of flexor tendons of finger, 45

Tuberculosis, Heliotherapy in, and new instrument for its use, 57; roentgen therapy in surgical, 143; exophthalmic goiter and, 189; relationship between pregnancy and, 402; general light treatment in surgical, 423; experience in connection with light treatment in surgical, 423; roentgen-ray treatment of surgical, 423. *See also* names of organs

Tutocain, Effect of paravertebral injections in angina pectoris, 195

ULCER, Late results of perifemoral sympathectomy in varicose, 99. *See also* names of organs

Ulna, Treatment of fractures of forearm, 331

Ultraviolet rays, Lethal effect of, on normal and malignant tissues grown *in vitro*, 338

Urachus, Large closed cysts of, 117

Uræmia, Diagnosis between eclampsia and true, 30

Ureter, Accidental section of, during hysterectomy for large fibroid in right broad ligament, 27; fate of phenolsulphonephthalein in normal pelvis with, tied, 36; arterial changes in progressive hydronephrosis of rabbits with complete obstruction of, 36; diagnosis and differential diagnosis of stone in, and kidney, 39; nonoperative instrumental removal of stone in, 128; anuria for seven days after catheterization of, 128; hydronephrosis due to obliteration of, in gynecological practice, 129; effect on rate of development of hydronephrosis of simultaneous ligation of posterior branch of renal artery and, on same side, 224; accidental section of, in hysterectomy for cancer treated by simple ligation, 225; dilatation of, with rubber bags in removal of calculi from, 225; results of ureterorrhaphy at end of nineteen years, 225; acute changes in rabbit's kidney produced by ligating, 319; imperforate supernumerary, diagnosed by pyelography and treated by partial nephro-ureterectomy, 410; primary tumors of, 411. *See also* Urinary tract

Ureterorectoneostomy, Indication of nephrostomy preliminary to, 39

Ureterorrhaphy, Results of, at end of nineteen years, 225

Urethra, Anatomical and histological study of mucosa and glands of, 39; Horteloup's resection of perineum for complicated gonorrhœal strictures of, 227; use of heat and cold in, 412; modifications of flap urethroplasty in perineal fistula of, 412. *See also* Urinary tract
Urethroplasty, Modifications of flap, in perineal fistula of urethra, 412
Urinary tract, Conservatism in surgery of, 41; hæmorrhages from, 226; shadows in, from practical urological view, 409; leucoplakia of, 494; modern urological diagnostic methods in pediatrics, 494
Urine, Idiopathic incontinence of, and laminectomy, 98; operation for incontinence of, following perineal prostatectomy, 131; ammonium chloride as acidifier of, 323; changes of reaction of, a vital factor in treatment of primary acute bacterial cystitis, 323; nocturnal incontinence of, in child, 326; elimination of iodine in, in normal patients and in exophthalmic goiter, 450; lumbosacral laminectomy in retention and incontinence of, due to spina bifida occulta, 460
Urobilin, Relation of biliary infections to genesis and excretion of, 391
Uterus, Adenomyomata of, 25; results of operation for prolapse of, 25; sarcomatous degeneration of myomata of, 26; gonococcal endocervicitis, 26; carcinomatous degeneration of heterotopic epithelial inclusions in, 26; treatment of carcinoma of cervix by irradiation, 26; dilatation of cervix by hydrostatic balloon, 32; difficulties in labor in so-called partial retroflexion of, and their management in cases of advanced pregnancy, 32; obstetrical results of shortening of round ligaments, 118; prolapse operations and ability to bear children, 118; endoscopy of, 118; chancre of cervix, 118; incompatibility of pregnancy and fibroids of, 119; treatment of fibroids of, 119; spontaneous rupture during pregnancy of, previously subjected to cæsarean section, 121; rupture of, during pregnancy, 121; pregnancy complicated by fibroids, 122; changes in internal secretion after extirpation of, 147; treatment of squamous-cell epithelioma of cervix, 216; endotheliomata of, 216; histological investigation of cancer of cervix of, cured locally by radium and X-ray treatment, 216; radium treatment of carcinoma of, 217; carcinoma of cervix treated exclusively by irradiation, 217; cancer of cervix and pregnancy treated by cæsarean section, Porro's amputation, and radium, 220; cancer of cervix and pregnancy, 221; blood- and lymph-vessel proliferations in uterine musculature, 298; telangiectasis of, 298; hæmangioma of, 298; angiohyperplasia of, 298; angioadenomyohyperplasia of, 298; lymphangiocystofibroma of, 298; method of endoscopic examination of, 298; cervicitis, erosion, and laceration of cervix of, from standpoint of pathology, 298; small uncomplicated myoma producing bleeding, 299; indication of myoma of, 299; summary of results in myoma of, 299; fibromyomata of, treated by surgical operation or intensive X-ray therapy, 299; clinical manifestations of myoma of, 299; incidence of carcinoma in cervix following supravaginal hysterectomy, 300; broad-ligament extension in carcinoma of cervix, 300; surgery, radium, and roentgen rays in treatment of carcinoma of cervix, 301; carcinoma of fundus, 301; results of irradiation of cancer of, 302; protracted irradiation of carcinoma of cervix with radium, 303; bacterial content of uterine cavity during pregnancy, 312; end-results of operations for prolapse of, 398; conservative and operative treatment of hæmorrhages from, 398, cancer of cervix treated with radium at distance, 399; use of milk injections in pelvic inflammation, 399; pelvic inflammation in women, 399; cultural method of testing virulence of bacteria from cervix and vagina and its significance with regard to postoperative morbidity and mortality, 400; effect and risks of radium treatment in benign gynecological complaints, 401; rupture of, in case of face presentation treated by hysterectomy, 406; conservative treatment of uncomplicated retrodisplacement of, 480; axial torsion of fibromatous, 480; treatment of cervical erosions with electrocoagulation, 480; clinical and pathological features of puberty hæmorrhage, 480; practical treatment of myomata and hæmorrhagic metropathies with X-rays, 481; value of biopsy, 481; significance of histological "malignancy index" for prognosis and treatment of carcinomata of cervix, 482; treatment of cancer of, at the University Gynecological Clinic, Berlin, 483; death following application of radium in, 483; carcinoma of cervix and fundus treated by combinations of surgery, radium, and roentgen ray, 483; etiology of lacerations of, with regard to pathologico-anatomical conditions, 490

VAGINA, Operative formation of double, by transverse colporrhaphy for sterilization of female, 307; cultural method of testing virulence of bacteria from cervix and, and its significance with regard to postoperative morbidity and mortality, 400; treatment of cancer of, at University Gynecological Clinic, Berlin, 483
Vagus nerve, Condition of, in gastric and duodenal ulcer, 203
Van den Bergh reaction, Two forms of bilirubin demonstrated by, 391
Vas deferens, Evolution of testicles of bull after crushing of, 226
Vein, Successful suture of portal, 232
Veins, Morphological changes associated with partial occlusion of pulmonary, of one lung, 277; simple and combined ligatures of pulmonary vessels, 464
Vena cava, Ligation of inferior, 232; cure of gigantic traumatic arteriovenous aneurism of abdominal aorta and inferior, by Moore-Corradi method, 499
Venoclysis, or intravenous nutrition, 55
Ventricular puncture in meningococcus meningitis, 374
Virulence test, Cultural method of testing virulence of bacteria from cervix and vagina and its significance with regard to postoperative morbidity and mortality, 400; in gynecology and obstetrics, 401
Vision, Fusion faculty and some of its anomalies, 181
Vitreous, Choked disk and opacities of, following fracture of skull, 3; lid traction the greatest safeguard against loss of, in cataract operation, 182; new vessel formation in, 447

WASSERMANN reaction in pregnancy, labor, and puerperium, 313
Wounds, Effect of cathode rays on bacteria in fresh, 337; healing of skin, 510; newer findings with regard to healing of, 511
Wrist, Localized tuberculous arthritis of, in children, 496

X-RAY, *See* Roentgen ray

INDEX TO BIBLIOGRAPHY

Surgery of the Head and Neck

Head, 61, 148, 236, 341, 424, 512
Eye, 61, 148, 236, 341, 424, 512
Ear, 62, 149, 237, 342, 425, 513
Nose and Sinuses, 62, 149, 237, 342, 426, 514
Mouth, 63, 150, 238, 343, 426, 514
Pharynx, 63, 150, 238, 343, 426, 514
Neck, 63, 150, 238, 343, 426, 514

Surgery of the Nervous System

Brain and Its Coverings; Cranial Nerves, 64, 151, 239, 344, 427, 515
Spinal Cord and Its Coverings, 65, 152, 240, 345, 428, 515
Peripheral Nerves, 65, 152, 240, 345, 428, 516
Sympathetic Nerves, 65, 152, 240, 345, 428, 516
Miscellaneous, 65, 152, 240, 345, 429, 516

Surgery of the Chest

Chest Wall and Breast, 66, 152, 241, 345, 429, 516
Trachea, Lungs, and Pleura, 66, 153, 241, 345, 429, 517
Heart and Pericardium, 67, 153, 241, 346, 430, 517
Œsophagus and Mediastinum, 67, 153, 241, 346, 430, 518
Miscellaneous, 67, 153, 242, 346, 430, 518

Surgery of the Abdomen

Abdominal Wall and Peritoneum, 67, 154, 242, 346, 430, 518
Gastro-Intestinal Tract, 68, 154, 242, 347, 431, 519
Liver, Gall Bladder, Pancreas, and Spleen, 70, 156, 245, 349, 433, 521
Miscellaneous, 71, 158, 246, 350, 434, 522

Gynecology

Uterus, 72, 158, 246, 350, 434, 523
Adnexal and Periuterine Conditions, 73, 159, 247, 351, 435, 524
External Genitalia, 73, 159, 248, 351, 435, 525
Miscellaneous, 74, 160, 248, 352, 436, 525

Obstetrics

Pregnancy and Its Complications, 74, 161, 249, 352, 436, 526
Labor and Its Complications, 76, 162, 250, 353, 437, 527
Puerperium and Its Complications, 76, 163, 250, 354, 438, 529
Newborn, 77, 163, 251, 354, 439, 529
Miscellaneous, 77, 163, 251, 354, 439, 529

Genito-Urinary Surgery

Adrenal, Kidney, and Ureter, 77, 164, 251, 354, 439, 529
Bladder, Urethra, and Penis, 78, 164, 252, 355, 440, 530
Genital Organs, 79, 165, 252, 355, 440, 530
Miscellaneous, 79, 165, 253, 355, 441, 531

Surgery of the Bones, Joints, Muscles, Tendons

Conditions of the Bones, Joints, Muscles, Tendons, Etc., 80, 165, 253, 356, 441, 531
Surgery of the Bones, Joints, Muscles, Tendons, Etc., 81, 167, 254, 357, 442, 532
Fractures and Dislocations, 81, 167, 254, 357, 443, 533
Orthopedics in General, 168, 255, 357

Surgery of the Blood and Lymph Systems

Blood Vessels, 82, 168, 255, 358, 444, 534
Blood; Transfusion, 83, 168, 255, 358, 444, 534
Lymph Vessels and Glands, 83, 169, 255, 358, 444, 535

Surgical Technique

Operative Surgery and Technique; Postoperative Treatment, 83, 169, 256, 358, 444, 535
Antiseptic Surgery; Treatment of Wounds and Infections, 84, 169, 256, 358, 445, 536
Anæsthesia, 84, 170, 256, 358, 445, 536
Surgical Instruments and Apparatus, 256

Physicochemical Methods in Surgery

Roentgenology, 84, 170, 256, 359, 445, 536
Radium, 84, 170, 257, 359, 445, 537
Miscellaneous, 85, 170, 257, 359, 445, 537

Miscellaneous

Clinical Entities—General Physiological Conditions, 85, 171, 257, 359, 445, 537
General Bacterial, Protozoan, and Parasitic Infections, 86, 171, 257, 360, 446, 538
Ductless Glands, 86, 171, 258, 360, 446, 538
Surgical Pathology and Diagnosis, 172, 258, 360, 446, 538
Experimental Surgery, 86, 172, 258, 360
Hospitals; Medical Education and History, 172, 258, 360
Medical Jurisprudence, 258

AUTHOR INDEX

Aaron, A. H., 22
Abbott, L. C., 229, 332
Abramowa, A., 228
Abt, I. A., 385
Adam, J., 15
Adrogué, E., 89
Adson, A. W., 362
Åhlén, N., 272
Albano, G., 419
Albee, F. H., 230
Albert, 312
Aleman, O., 189
Alexander, E. G., 465
Alglave, 498
Allan, R. M., 309
Allen, E., 484
Allen, W. M., 31
Allenbach, 410
Allison, N., 228
Amberger, 204
Amossov, A., 459
Andérodias, 486
Antonucci, C., 389
Arens, R. A., 409
Arneill, J. R., 95
Arnold, L., 482
Ascher, K. W., 340
Aschner, B., 398
Ascoli, M., 388
Ashby, H. T., 115
Ashhurst, A. P. C., 333
Astériadès, T., 281
Averett, L., 123
Aysaguer, 412

Babcock, W. W., 19, 56, 211
Badylkes, S., 6
Bagley, C. H., 259
Balard, 486
Ballance, Sir C., 361, 505
Ballon, D. H., 277
Barbaro, 106
Barbezier, 372
Bardachzi, F., 481
Bardeen, C. R., 143
Bargen, J. A., 474
Bassenko, L. E., 269
Basset, A., 207, 281
Bassler, A., 280
Batson, O. V., 45
Bauer, K. H., 285
Baum, H. L., 368
Baumgartner, R., 376
Bazala, G., 313
Bazin, A. T., 390
Bazy, P., 130, 227, 326
Becker, C., 26
Bégouin, 483
Behrendt, H., 304
Belfield, W. T., 494
Beresow, I., 479
Beretervide, J. J., 107
Berger, S. S., 210
Berkoff, H. S., 305
Berman, L., 7
Berner, J. H., 204
Berry, Sir J., 6
Berry, J. M., 135
Bewen, E., 264
Beykirch, A., 188
Bigelow, G. H., 146
Bigger, I. A., 141
Billings, A. E., 378
Bircher, E., 286
Bird, C. E., 37
Blair, V. P., 1
Blair Bell, W., 234, 339
Blalock, A., 463
Bland, P. B., 480
Blaustein, N., 323
Block, F. D., 299
Block, W., 331
Bloodgood, J. C., 275, 421
Blotner, H., 508
Blum, F., 96
Boattini, G., 370
Boeckel, 410
Boehringer, K., 128
Bohmansson, G., 471
Bohnen, P., 310
Boldero, H. E. A., 16
Bolling, R. W., 207, 208, 218
Bomasch, I., 499
Bonani, G., 99
Bonnet, L., 212
Bordet, F., 376
Boros, J., 56
Borrmann, K., 310
Botteselle, R., 412
Bouchard, 225
Bovin, E., 222
Bowers, M. R., 408
Bowing, H. H., 301, 483
Boyd, W., 196
Brannan, D., 30, 59
Bransburg, 100
Bréchot, 98
Brezovnik, V., 43
Bridgman, E. W., 29
Briggs, W. T., 494
Brockbank, E. M., 93
Brodersen, N. H., 189
Brooks, L., 201
Brown, A., 455
Brown, G. E., 500
Brown, H. F. R., 262
Browne, F. J., 403
Brunner, H., 191
Bryant, J., 418
Bufalini, M., 104
Bugbee, H. G., 321
Bullard, E. A., 398
Bunnell, S., 198
Bunts, F. E., 14
Burcham, T. A., 266
Burrows, M. T., 234
Busacca, A., 329
Buschmann, T. W., 463
Butler, E., 206
Butler, P. F., 200
Butler, T. H., 259
Buxton, St. J. D., 331
Byron, C. S., 305

Camp, J. D., 473
Campbell, A., 368
Canney, J. R. C., 207
Cantelmo, O., 110
Capecchi, E., 394
Cappell, D. F., 134
Carlson, E., 198
Carman, R. D., 18, 474
Carson, W. J., 494
Case, J. T., 388
Castex, R., 95
Castex, M. R., 107, 114
Castlen, C. R., 463
Cattaneo, G., 413
Cattell, R. B., 450
Caudière, 404
Caylor, H. D., 18
Cazin, 293
Celiberti, A., 389
Chamberlain, R. S., 34
Champion, M. E., 146
Champlin, J., Jr., 399
Chassard, 47
Chatellier, H. P., 366
Chauvin, 499
Cheatle, G. L., 145
Cherry, T. H., 307
Chievitz, O., 423
Chiray, 114
Christopher, F., 230
Chute, A. L., 126
Cifuentes, 321
Cirillo, G., 126
Clapp, C. A., 447
Clark, J. G., 25, 26, 299, 301
Clark, W. L., 57
Clément, R., 121
Clerf, L. H., 197, 199
Clute, H. M., 189, 452, 475
Cobb, S., 458
Cochrane, R. C., 59
Codman, E. A., 133
Coenen, H., 457
Coffey, R. C., 20, 114
Cohen, I., 215, 225
Cohen, M., 30
Cohen, M. B., 210
Cohen, M. J., 327
Cohen, S., 91
Cokkalis, P., 228
Cole, W. H., 22, 133, 390
Colebrook, L., 33
Coliez, R., 399
Collinson, G. A., 391
Coman, F. D., 99
Commandeur, 220
Commenge, 127
Comolli, A., 452
Comte, H., 469
Condamin, 127
Conn, H. R., 52
Conway, J. A., 9
Cope, Z., 145
Copher, G. H., 22, 390, 476
Costain, W. A., 53
Cottle, M. H., 185
Cotton, F. J., 136
Coulaud, E., 269
Counseller, V. S., 294
Courboulès, 394
Courty, 498
Coventry, W. A., 462
Cowan, A., 259
Creed, E., 90
Creyssel, J., 205, 280
Crile, G. W., 147, 209, 369
Cron, R. S., 118
Cross, W. W., 493
Crossan, E. T., 333
Crousse, 306
Cumberbatch, E. P., 134
Cunningham, J. H., 323
Curtillet, J., 50
Curtis, L., 181
Cushing, E. H., 23
Cushman, B., 181
Cutler, C. W., Jr., 230
Cutler, E. C., 458

D'Agata, G., 409
Daniel, C., 120
Darcissac, 448
Dariaux, A., 366
Davidson, E. C., 43, 233
Davies, H. M., 11
Davis, A. B., 487
Davis, A. G., 48
Davis, J. S., 233, 337
Davis, L., 191, 460
Dazzi, A., 456
Dean, L. W., 185
De Asis, C., 234
Delore, X., 203, 205, 280, 469
Delprat, G. D., 206
De Martel, 372
De Martel, T., 374, 395
De Quervain, F., 265
De Rougemont, J., 205, 280
Desgouttes, D., 52
Desjardins, A. U., 509
Destéfano, F., 55
D'Hérelle, F., 55
Dickey, L. B., 125
Dieckmann, W. J., 492
Dieterich, W., 202

Dinsmore, R. S., 6
Dochez, A. R., 4
Dodds, E. C., 225
Dollinger, J., 51
Doub, H. P., 43
Dourmashkin, R. L., 225
Draper, J. W., 390
Drennan, A. M., 123
Dresser, R., 473
Duboucher, H., 122
Duettmann, 208
Dujol, G., 121
Dukes, C., 390
Duncan, J. W., 297
Dunhill, T. P., 267, 268
Durr, S. A., 87
Duval, P., 387
Dworetzky, J. P., 198
Dzialoswynski, A., 21

Eastmond, C., 105
Ebaugh, F. G., 456
Ecker, E. E., 201
Eisendrath, D. N., 409
Elder, H. C., 197
Eliason, E. L., 109, 187, 281
Elman, R., 391
Elsner, H., 339
Emile-Weil, 139
Éparvier, 220
Esch, P., 221
Escudero, P., 15, 115
Esmenard, 499
Evans, J. N., 447
Eymer, 302

Faber, K., 335
Fabritius, W., 212
Fairbank, H. A. T., 331
Falci, E., 320
Falls, F. H., 29
Farrar, L. K. P., 217
Feiermann, J., 198
Felberbaum, D., 6
Felix, Willy, 194
Ferguson, L. K., 25
Fernstroem, B., 210
Ferracciu, D., 398
Ferrère, M., 124
Ferreri, G., 97
Fetter, W. J., 111
Field, R. S., 319
Fifield, L. R., 397
Fine, J., 458
Finesilver, B., 6
Fischer, W., 14
Fisher, A. O., 107,108
Fitz, R., 508
Fitzgerald, R. R., 7
Fitzgibbon, G., 403
Flechtenmacher, C., Jr., 208
Flesher, R. E., 262
Fletcher, H., 262
Fletcher, H. M., 139
Floercken, H., 295, 478
Floris, M., 129
Fobes, J. H., 124
Fogelson, S. J., 120
Forbes, A., 458
Forestier, J., 57, 101
Forget-Urion, 122
Forgue, 306
Forssner, H., 402
Fowler, L. H., 510
Fowweather, F. S., 391
Franck, 410
François, J., 460
Fraser, F. R., 267, 268
Fraser, R. H., 447
Fraser, W. A., 124
Frazier, C. H., 98, 451
Freedman, A. C., 46
Freidin, I., 466
Frey, S., 336
Friedemann, M., 285
Friedenwald, H., 260
Friedenwald, J. S., 260
Friedman, E., 34
Fritz, R., 463
Frugoni, C., 452
Fruhinsholz, 221
Fry, R. M., 33
Fuchs, F., 223
Fuerst, W., 222
Fuss, E. M., 401

Gabriel, W. B., 502
Gaenssle, H., 25
Galán, J. C., 114
Galbraith, J. H., 48
Gallino, M. M., 15, 106, 115
Garipuy, 486
Garr, C. C., 230
Gatellier, 387
Gatewood, W. E., 284
Gaudier, H., 384
Gayet, 489
Gayet, G., 131
Geiger, H., 7
Genner, V., 419
George, A. W., 210
Gergely, J., 195
Ghose, D. M., 215
Gibbon, J. H., 378
Gibson, C. L., 393
Gilman, P. K., 7
Ginsburg, S., 101
Giordano, D., 113, 415
Girgolaff, S. S., 511
Gjertz, E., 271
Gladyrewsky, N. L., 502
Gmelin, E., 202
Goalwin, H. A., 185
Goldblatt, D., 138
Goldstein, A. E., 494
Goodhue, F. W., 146
Gordon-Watson, Sir C., 476
Gornick, P., 483
Gosset, A., 205
Goullioud, 292
Goyena, J. R., 106
Gozlan, 114
Graham, A., 368
Graham, E. A., 22, 210, 390, 476
Graham, R. S., 390
Grant, F. C., 98
Grant, O., 409
Grauhan, M., 319
Graves, R. C., 323
Gray, H. T., 17
Greenhill, J. P., 487
Grégoire, R., 471
Grier, G. W., 111, 262
Grigorjew, A. M., 499
Groené, O., 402
Gruca, A., 362
Guéniot, 406
Guérin-Valmale, 404
Gurewic, N., 334
Guthrie, D., 4
Gutierrez, A., 202, 214, 329
Guy, J., 197

Habbe, E., 23
Habbe, J. E., 200
Haberer, H., 232
Haden, R. L., 208, 339
Haendly, P., 307
Hagemann, R., 324
Häggström, P., 491
Hahn, L. J., 468
Hale, K., 394
Hall, F. C., 43
Halperin, G., 173
Halpert, B., 389
Hamilton, A. J. C., 473
Hamilton, B. E., 267
Hammes, E. M., 373
Handley, W. S., 145
Hanger, F. M., 4
Hanson, R., 46
Hanssen, F. S., 205
Harbin, M., 133
Harburger, A., 95
Harding, V. J., 123
Harrar, J. A., 487
Harris, R. I., 214
Harris, W., 98
Harrison, T. R., 463
Hartsock, C. L., 267
Haudek, 104
Havlicek, H., 213
Hayes, M. R. J., 268
Heald, C. L., 475
Heinlein, H., 305
Hellerstroem, S., 271
Hellstroem, J., 320
Helmholz, H. F., 319, 408, 450
Hempstead, B. E., 365
Hendon, G. A., 55
Hendricks, W. A., 20
Hepler, A. B., 224
Herbst, W. P., 392
Herd, S. B., 308
Herman, L., 35
Herrick, F. C., 397
Hertel, E., 44
Hertz, J., 207
Hertzler, A. E., 108
Herzog, F., 53
Hetényi, G., 309
Heyd, C. G., 205
Heynemann, T., 30
Hicks, C. S., 123
Hinman, F., 36, 39, 224, 319
Hirsch, E. W., 39
Hitzanides, E., 27
Hitzanidés, E., 480
Hochman, S. S., 300
Hofbauer, J., 403
Hollender, A. R., 185
Holman, E., 463
Holmes, G. W., 473
Horsley, J. S., 19, 421
Horsley, J. S., Jr., 420
Howell, B. W., 49
Hueck, H., 507
Hueper, W., 482
Hultkrans, J. C., 193
Hunt, V. C., 41
Hurst, A. F., 282, 295

Ibuka, K., 128
Icove, M. D., 90
Iglauer, S., 96, 462
Ionescu, D., 376
Irwin, J. C., 31
Isaacs, R., 417
Ivy, A. C., 296
Ivy, R. H., 181
Iwanitzkij, M. F., 493

Jackson, C., 8, 15
Jackson, E., 87
Jacobs, A. W., 476
Jacobson, J., 139
Jaur, 499
Jenkins, G. J., 361
Jerlov, E., 311
Jessen, H., 228
Johnson, A. A., 213
Jones, J. G., 282
Jonnesco, T., 376
Jordan, S. M., 468
Jorge, J. M., 496
Jostes, F. A., 229
Judd, E. S., 392
Jura, V., 94

Kamman, G. R., 271
Kanavel, A. B., 460
Kane, H. F., 315
Kantor, J. L., 473
Kapsinow, R., 208
Katz, H., 32
Kauffmann, F., 484
Kaufmann, C., 481
Kay, W. E., 7
Keen, J. A., 4
Keene, F. E., 26, 299
Keith, N. M., 30
Keller, 488
Kellogg, F. S., 32
Kennedy, C. C., 289
Kennedy, R. L. J., 318
Kern, R. A., 382
Key, B. W., 363
Key, E., 16
Keydel, K., 39
Keyes, E. L., 131
Kilbane, E. F., 37
Kilner, T. P., 504
Kime, J. W., 57
Kindler, 270
Kirch, E., 283
Kirstein, 222
Kjellin, G., 402

Klee, 314
Klestadt, W., 92
Klopp, E. J., 378
Knapp, A., 260
Kodama, S., 476
Koeppe, L., 90
Kohler, H., 473
Kolmer, J. A., 374
Koontz, A. R., 104, 201
Koopman, J., 189
Korganowa-Mueller, F. S., 503
Koslowskij, A., 327
Kranz, F. W., 261
Krasnobajev, T., 466
Kreuz, L., 333
Krida, A., 330
Kroh, F., 45
Kruzkov, W., 465
Kuemmell, H., Sr., 226
Kuestner, 317
Kuestner, H., 147
Kuettner, H., 44
Kupfer, M., 220
Kurtz, H., 490

Labry, 117
Labry, R., 469
Ladwig, A., 369
Lahey, F. H., 190, 267, 468, 470, 477, 483
Lambret, O., 386
Lampe, W., 372
Lancaster, W. B., 181
Lance, 332
Landelius, E., 194
Lange, M., 330
Langenskioeld, F., 280
Lankford, B., 31
Lapointe, A., 212
Laquière, 225
Laquière, M., 126
Larimore, J. W., 107
Lasher, W. W., 138
Lassalle, 486
Latreille, J., 136
Laurell, H., 279, 296
Lavalle, C. R., 50
Lebon, 114
Lecène, 386
Lecène, P., 391
LeComte, R. M., 493
Lehmann, J. C., 44
Le Lorier, 315
Lenk, R., 17
Lenz, M., 262
Leotta, N., 117
Leriche, R., 270, 273, 466
Lerner, M. L., 261
Levin, I., 275
Levyn, L., 22
LeWald, L. T., 17
Lewis, D., 418
Liberson, F., 271
Lichtwitz, 201
Liebmann, S., 220, 309
Lilienthal, H., 418
Lindblom, A. F., 455
Lindquist, S., 220
Locke, C. E., 192
Lockhart-Mummery, J. P., 20, 476
Lodge, W. O., 186
Loeb, C., 3
Lombard, H. L., 146
Lorey, 15
Louros, N. C., 317
Love, R. J. McN., 397
Lumsden, T., 509
Lund, R., 373
Lundh, G., 486
Lundsgaard, C., 325
Lundy, J. S., 505, 506
Lyle, H. H. M., 136
Lynch, F. W., 216
Lynch, K. M., 421
Lyon, B. B. V., 210

MacDougall, J. G., 53
Machlachlan, W. W. G., 111
Mackenzie, G. W., 259
MacKinnon, A. P., 137
Madelung, O. W., 111
Maes, U., 292
Magaton, O., 362
Magill, W. H., 399
Magnan, 218
Magruder, L. F., 327
Mahnert, A., 121
Mallet, L., 399
Mallet-Guy, P., 203
Malmstrøm, V., 423
Mandl, F., 110, 195
Mangabeira-Albernaz, P., 365
Manges, W. F., 378, 380
Marion, 27
Markovits, S., 195
Martenstein, H., 92
Martin, C. L., 300
Martin, E. D., 113
Martindale, L., 299
Martius, H., 314
Masieri, N., 491
Mason, R. L., 189
Mathieu, 221
Matthews, A. A., 294
Mattick, W. L., 507
Mauclaire, 448
Maxwell, E. S., 494
Mayer, L., 136
Mayer, M., 497
Mayo, C. H., 20
Mayo, W. J., 116
McCormick, C. O., 407
McCoy, C. C., 390
McHutchison, J. P., 143
McIlroy, A. L., 402
McIndoe, A. H., 294
McKay, H. W., 494
McMaster, P. D., 391
McNealy, R. W., 458
McNeile, L. G., 487
Medlar, E. M., 38
Meeker, W. R., 142
Meisels, E., 362
Melikow, P. G., 501
Mella, H., 456
Melnikoff, A., 199
Melzner, E., 195
Mennell, J., 331
Mentzer, S. H., 476
Mercier, O., 126
Meyer, C., 490
Meyer, H., 329
Meyer, R., 298, 481
Meyer, W., 20
Michel, 221
Michon, 25, 220
Miginiac, G., 225
Mikels, F. M., 480
Miller, C. J., 404
Miller, J. L., 392
Miller, J. W., 8
Miller, W. S., 198
Milligan, Sir W., 364
Minot, G. R., 417, 508
Mithoefer, W., 91
M'Nally, W. J., 364
Moench, G. L., 298
Moise, T. S., 37
Møller, E., 325
Møller, P. F., 102, 136
Møller, W., 401
Moore, A. B., 474
Moore, S., 22, 390
Moorhead, J. J., 137
Moppett, W., 338
Morawitz, P., 416
Morison, D. M., 36
Morley, J., 466
Morton, J. J., 145
Mosher, G. C., 119
Mosher, H. P., 187
Mosser, W. B., 451
Moulonguet, P., 391
Moutier, 387
Mucharinskij, M. A., 493
Muir, J., 264
Muller, G. P., 382, 393, 477
Muschat, M., 323
Musser, J. H., 189
Mussey, R. D., 30

Naervi, E. J., 229
Nager, F. R., 261
Nakashima, Y., 281
Nasaroff, W. M., 510
Naujoks, H., 310
Negus, V. E., 90
Netzer, F., 488
Neuhof, H., 24, 215
Neumann, H., 317
Neumann, W., 109
New, G. B., 371, 453
Newcomb, W. D., 98
Nichols, B. H., 409
Nichols, J. H., 146
Niedermeyer, 491
Nisner, E. J., 501
Norris, C. C., 299, 301
Norwood, V., 29
Novak, E., 490
Noyes, I. H., 399
Nussbaum, D., 91
Nutt, A. B., 89
Nystrøm, G., 415

Obarrio, P., 2, 182
Očkin, A., 108
O'Connor, D. S., 228
Odinow, D. E., 501
Ody, F., 224
Oehnell, H., 204
Okinšewič, A., 459
Olivecrona, H., 192
Ollerenshaw, R., 138
Ormond, A. W., 504
Orr, T. G., 208
Orton, H. B., 187

Packard, G. B., Jr., 103
Palmer, L. J., 141
Pamperl, R., 295, 449
Pancoast, H. K., 382
Papin, 412
Papin, M., 128
Pascale, G., 107
Pasman, R. E., 18
Pasteau, 127
Patel, 117
Pauli, W. E., 191, 337
Payr, E., 212
Peacock, C. L., 26
Pearse, H. E., 421
Peck, C. H., 469
Peckham, C. H., 31, 404
Peet, M. M., 374
Peiper, H., 375
Pelouze, P. S., 60
Pendergrass, E. P., 281
Perlmann, J., 207
Perry, M. C., 53
Perthes, G., 286
Petit, 27
Pettinari, V., 217
Peycelon, R., 131
Pfaff, O. G., 232
Pfahler, G. E., 378
Pfeiffer, D. B., 28
Pfingst, A. O., 87
Pflaumer, E., 223
Phelps, K. A., 185
Pheulpin, E., 374
Philipp, E., 303, 483
Phillips, H. J., 33
Pieri, G., 408
Pisani, L., 408
Plisson, 498
Pohlman, A. G., 261
Pokotilo, W., 467
Polak, J. O., 221, 487
Polissadowa, X., 196
Pollwein, O., 296
Pooley, G. H., 504
Porges, H., 290
Portis, B., 19
Portis, S. A., 19
Pouzin-Malègue, Y., 380
Powilewicz, A., 111
Pratt, J. P., 484
Pribram, E., 400
Princeteau, 218
Proust, R., 399
Puccioni, L., 449
Pugh, L., 139
Pulford, D. S., 362

Quick, D., 93, 94
Quinby, W. C., 41

Ranson, S. W., 458
Rappoport, P. L., 502
Razemon, H., 449
Read, J. M., 6
Reeb, 485
Regaud, C., 186
Reinecke, R., 199
Reinle, G. G., 40
Rejsek, J., 129
Retterer, E., 226
Revel, 372
Reverchon, 367
Reyn, A., 144, 338
Reynolds, F. E., 447
Ricard, A., 52
Ricen, L., 113
Richards, G. E., 101
Richardson, E. P., 451
Richter, H. M., 22
Riddel, J., 121
Ritter, H. H., 138
Ritter, O., 304
Rives, J. D., 292
Roberts, R. E., 327
Robineau, 201
Robinson, C. A., 134
Rocher, H. L., 328
Rockwood, R., 30
Rodríguez, M. C., 112
Roetth, A., 89
Rogers, F. T., 300
Rogers, L., 268
Rogers, W. A., 49
Rolleston, Sir H., 139
Rollier, A., 135
Rolnick, H. C., 226, 494
Romano, N., 107
Rosanov, W., 455
Rose, D. K., 39
Rose, E., 385
Ross, J. W., 19
Rossier, 315
Rost, F., 202
Rouvillois, 498
Roux, J. C., 387
Rowan, C. J., 266
Rowlands, R. P., 282
Royston, G. D., 108
Rubenstone, A. I., 209
Rubin, E. H., 232
Rubritius, H., 411
Rucker, M. P., 405
Rud, H., 216
Rufanoff, I. G., 478
Rusche, C. F., 410
Ruskin, S. L., 91
Rutherford, C. W., 4
Ryle, J. A., 282, 395

Sachs, E., 10
Samuels, S. S., 228
Sanger, B. J., 267
Saraceni, E., 389
Sargnon, 366
Scarlett, H. W., 447
Scheele, K., 130
Schiffmann, J., 306
Schlaak, A., 304
Schlaepfer, K., 277
Schmid, O., 203
Schmitz, H., 482
Schreiner, B. F., 186, 262
Schroedl, P., 328
Schteingart, M., 95
Schulte, W. G., 224
Schwartz, J., 37
Schwarz, G., 307
Schwarz, O., 411, 492
Scimone, V., 452
Scott, S., 361
Sears, W. H., 375
Sebestyén, G., 13
Sebestyén, J., 278
Seifert, E., 233
Sellheim, 316
Selman, J. J., 210
Sendrail, 486
Senty, E. G., 266
Sequiera, J. H., 145
Sergent, E., 376
Seulberger, P., 296
Sewall, E. C., 192
Seymour, H. F., 118, 298
Shambaugh, G. E., 182
Shapiro, L. L., 470
Shaw, E. C., 131
Shaw, E. H., 145
Shaw, W., 27, 218
Shea, J. J., 448
Sherk, R. L., 465
Sherwin, C. P., 21
Shibley, G. S., 4
Sicard, 201
Sicard, J. A., 57
Siedamgrotzky, 423
Simpson, F. E., 262
Simpson, W. M., 95, 190
Singleton, A. O., 10
Skillern, S. R., Jr., 263
Slesinger, E. G., 331
Slye, M., 234, 421
Smirnov, S., 464
Smith, A. DeF., 44
Smith, F., 141
Smith, H., 260
Smith, L. A., 23
Smith-Petersen, M. N., 49
Smyth, C. M., Jr., 28
Smyth, D. C., 365
Snell, A. M., 112
Sohn, A., 212
Soiland, A., 275
Soïmaru, 27
Solé, R., 105
Sonne, C., 338
Sorrel, E., 496, 497
Southam, A. H., 115
Souttar, H. S., 504
Speiser, M. D., 23
Ssakajan, P. G., 501
Ssamarin, N. N., 456
Ssokoloff, W. I., 502
Ssokolov, S., 289
Stahnke, E., 283
Stander, H. J., 31, 404
Steinach, E., 305
Steinberg, B., 201
Stephenson, H. A., 310
Stetten, DeW., 11
Stewart, R. L., 411
Stieffel, 139
St. John, F. B., 386, 394
Stockmeyer, K. M., 330
Stone, E. L., 32, 407
Stout, A. P., 23
Strada, F., 88
Strauss, A. A., 385
Stroganoff, B., 487
Stulz, E., 106
Sturtevant, M., 470
Suker, G. F., 181
Summers, J. E., 288
Sun, K. C., 406
Sundell, C., 402
Surraco, L. A., 324
Suzor, 406
Syme, W. S., 134

Talbot, J. E., 487
Tavares, A., 362
Tavernier, 496
Tawse, H. B., 91
Taylor, A. S., 9
Tengwall, E., 413
Terrada, H. M., 15, 115
Testu, C., 497
Teutschlaender, O., 289
Thalheimer, M., 205
Thearle, W. H., 11
Theobald, G. W., 405
Thomas, T. T., 229
Thomson, J. E. M., 138, 230
Thomson, Sir StC., 370
Tillier, R., 50
Timme, W., 98
Todd, K. W., 260
Tolstikoff, D. F., 499
Tower, L. E., 213
Towne, E. B., 9
Traut, H. F., 337
Troell, A., 215
Trotter, W., 5
Truesdell, E. D., 474
Tsiros, 367
Tucker, G., 381, 382
Tuft, L., 209
Turner, A. L., 447
Tweedie, A. R., 361

Uffenorde, W., 265
Ulesco-Stroganowa, K., 216
Unger, A. S., 23

Vaccarezza, R. F., 55
Vachey, A., 203
Valentin, B., 289
Van Gilse, P. H. G., 5
Vanverts, J., 118
Van Wyck, H. B., 123
Vecki, M., 36
Vereščinsky, A., 468
Verga, P., 193, 456
Verhoeff, F. H., 181
Vesell, H., 21
Vigyázó, J., 283
Villegas, R. R., 294
Violet, 25
Viteri, L. E., 60
Vogt, E., 118
Voltz, F., 217
Von Angerer, C., 337
Von Bodó, R., 220
Von Kuettner, O., 26
Von Magnus, R., 102
Von Redwitz, E., 191, 337
Von Sarbó, A., 191
Von Stapelmohr, S., 202
Voorhoeve, N., 54
Vruwink, J., 487

Wagner, H., 488
Wainwright, J. M., 235
Wallace, W. J., 130
Walther, H. W. E., 26
Walton, A. J., 472
Ward, G. G., 217
Warren, S. L., 378, 421
Watson, B. P., 219
Webb, C. H., 225
Weeks, A., 201
Weeks, J. E., 181
Weigand, H., 305
Weiser, A., 322
Weiss, E. A., 119
Wentworth, E. T., 46
Wertheimer, P., 270
Wesson, M. B., 35
Westphal, U., 405
Wetterstrand, G. A., 143
Wheeler, Sir W. I. DeC., 268
Whipple, A. O., 115
Whitby, L. E. H., 16
Widmann, B. P., 378
Wiedhopf, O., 334
Wiesner, B. P., 305
Wilensky, A. O., 228, 468
Willan, R. J., 36
Willard, DeF. P., 48
Williams, J. W., 406
Wilson, C. P., 463
Winkelbauer, A., 191
Winslow, N., 12
Wittek, A., 49
Wolf, C. G. L., 207
Wolfe, S. A., 480
Woodburn, J. J., 370
Woolbridge, G. H., 139
Woringer, P., 106
Wright, F. R., 324
Wright, V. W. M., 281
Wuesthoff, H., 124
Wurtzel, G. L., 138

Young, H. H., 414
Young, J., 510
Yount, C. C., 47, 48
Yule, G. W., 407

Zange, 270
Zavalía, A. U., 88
Ziegler, J. M., 418
Ziegler, S. L., 3
Zink, O. C., 210
Zinninger, M. M., 45